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OM protein - protein search, using sw model

Run on: June 20, 2005, 07:54:50 ; Search time 105.5 Seconds

(without alignments)
36.396 Million cell updates/sec

Title: US-09-867-159A-3

Perfect score: 61

Sequence: 1 RMQGGCGSCN 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 204365

Minimum DB seq length: 0
Maximum DB seq length: 10

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:
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10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
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22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	61	100.0	10	10	US-09-867-159A-3
2	36	59.0	7	15	US-10-175-833-59
3	36	59.0	7	15	US-10-175-833-60
4	36	59.0	7	15	US-10-175-833-62
5	36	59.0	9	9	US-09-287-849-43
6	36	59.0	9	14	US-10-359-460-43
7	36	59.0	9	15	US-10-359-459-7
8	33	54.1	8	14	US-10-163-415-2
9	31.5	51.6	8	17	US-10-702-228A-62
10	31.5	51.6	8	17	US-10-678-961B-62
11	30	49.2	6	9	US-09-287-849-42

12	30	49.2	6	14	US-10-359-460-42	Sequence 42, Appl
13	30	49.2	6	15	US-10-359-459-6	Sequence 6, Appl
14	30	49.2	10	9	US-09-765-086-57	Sequence 57, Appl
15	30	49.2	10	9	US-09-779-308-222	Sequence 222, App
16	30	49.2	10	9	US-09-779-308-324	Sequence 324, App
17	30	49.2	10	9	US-09-779-308-436	Sequence 436, App
18	30	49.2	10	9	US-09-779-308-546	Sequence 546, App
19	30	49.2	10	9	US-09-779-308-640	Sequence 640, App
20	30	49.2	10	14	US-10-264-374-57	Sequence 57, Appl
21	30	49.2	10	14	US-10-375-992-57	Sequence 57, Appl
22	30	49.2	10	15	US-10-264-374-57	Sequence 57, Appl
23	30	49.2	10	16	US-10-375-992-57	Sequence 57, Appl
24	30	49.2	10	17	US-10-838-289-593	Sequence 593, App
25	29	47.5	8	13	US-10-010-408-4	Sequence 4, Appl
26	29	47.5	8	15	US-10-149-138-2467	Sequence 2467, Ap
27	29	47.5	8	15	US-10-149-138-3195	Sequence 3195, Ap
28	29	47.5	8	15	US-10-311-129-26	Sequence 26, Appl
29	29	47.5	8	16	US-10-149-138-2467	Sequence 2467, Ap
30	29	47.5	8	16	US-10-149-138-3195	Sequence 3195, Ap
31	29	47.5	9	15	US-10-149-138-855	Sequence 855, App
32	29	47.5	9	15	US-10-149-138-2495	Sequence 2495, Ap
33	29	47.5	9	15	US-10-149-138-3217	Sequence 3217, Ap
34	29	47.5	9	15	US-10-149-138-4122	Sequence 4122, Ap
35	29	47.5	9	16	US-10-149-138-855	Sequence 855, App
36	29	47.5	9	16	US-10-149-138-2495	Sequence 2495, Ap
37	29	47.5	9	16	US-10-149-138-3217	Sequence 3217, Ap
38	29	47.5	9	16	US-10-149-138-4122	Sequence 4122, Ap
39	29	47.5	10	9	US-09-765-086-52	Sequence 52, Appl
40	29	47.5	10	10	US-09-572-404B-2757	Sequence 2757, Ap
41	29	47.5	10	10	US-09-572-404B-2759	Sequence 2759, Ap
42	29	47.5	10	10	US-09-572-404B-2761	Sequence 2761, Ap
43	29	47.5	10	10	US-09-572-404B-3780	Sequence 3780, Ap
44	29	47.5	10	14	US-10-264-374-52	Sequence 52, Appl
45	29	47.5	10	14	US-10-375-992-52	Sequence 52, Appl

ALIGNMENTS

RESULT 1

US-09-867-159A-3
; Sequence 3, Application US/09867159A
; Publication No. US20030104013A1
; GENERAL INFORMATION:
; APPLICANT: ANTIALIS TERRASSE, GAETAN LORIA, EMILE TREHIN, YVES
; TITLE OF INVENTION: Anti-allergic pharmaceutical composition containing at least one
; FILE OF INVENTION: and at least one anti-histamine compound
; FILE REFERENCE: B112812US-antiallis
; CURRENT APPLICATION NUMBER: US/09/867,159A
; CURRENT FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: FR01/04370
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: FR01/05929
; PRIOR FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 3
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Dermatophagoides pteronyssinus
; FEATURE:
; NAME/KEY: PEPTIDE
; LOCATION: (1)..(10)
; OTHER INFORMATION: Comprises epitope from cystine protease.
US-09-867-159A-3

Query Match 100.0%; Score 61; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.036;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 RMQGGCGSCN 10
Db 1 RMQGGCGSCN 10

RESULT 2
US-10-175-833-59
; Sequence 59, Application US/10175833
; Publication No. US20030211981A1
; GENERAL INFORMATION:
; APPLICANT: BODOR, Nicholas Stephen
; APPLICANT: BARTOLOMEO, Maria
; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT
; TITLE OF INVENTION: OF DIABETIC RETINOPATHY
; FILE REFERENCE: 028724-109
; CURRENT APPLICATION NUMBER: US/10/175,833
; CURRENT FILING DATE: 2002-06-21
; PRIOR FILING DATE: US/09/144,991
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: US 60/058,423
; PRIOR FILING DATE: 1997-09-10
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (1)
; OTHER INFORMATION: Amino acid 1 is attached by Trig.
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (7)
; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.
; NAME/KEY: DISULFID
; LOCATION: (3)-(6)
; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are
; OTHER INFORMATION: attached by a non-peptidal disulfide bond.
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism:peptide derivative
US-10-175-833-59

Query Match 59.0%; Score 36; DB 15; Length 7;
Best Local Similarity 83.3%; Pred. No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 4 GCGGSC 9
Db 1 GCGGCG 6

RESULT 3
US-10-175-833-60
; Sequence 60, Application US/10175833
; Publication No. US20030211981A1
; GENERAL INFORMATION:
; APPLICANT: BODOR, Nicholas Stephen
; APPLICANT: BARTOLOMEO, Maria
; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT
; TITLE OF INVENTION: OF DIABETIC RETINOPATHY
; FILE REFERENCE: 028724-109
; CURRENT APPLICATION NUMBER: US/10/175,833
; CURRENT FILING DATE: 2002-06-21
; PRIOR FILING DATE: US/09/144,991
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: US 60/058,423
; PRIOR FILING DATE: 1997-09-10
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: BINDING

; LOCATION: (1)
; OTHER INFORMATION: Amino acid 1 is attached by Nic.
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (7)
; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.
; NAME/KEY: DISULFIDE
; LOCATION: (3)-(6)
; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are
; OTHER INFORMATION: attached by a non-peptidal disulfide bond.
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism:peptide derivative
US-10-175-833-60

Query Match 59.0%; Score 36; DB 15; Length 7;
Best Local Similarity 83.3%; Pred. No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 4 GCGGSC 9
Db 1 GCGGCG 6

RESULT 4
US-10-175-833-62
; Sequence 62, Application US/10175833
; Publication No. US20030211981A1
; GENERAL INFORMATION:
; APPLICANT: BODOR, Nicholas Stephen
; APPLICANT: BARTOLOMEO, Maria
; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT
; TITLE OF INVENTION: OF DIABETIC RETINOPATHY
; FILE REFERENCE: 028724-109
; CURRENT APPLICATION NUMBER: US/10/175,833
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US/09/144,991
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: US 60/058,423
; PRIOR FILING DATE: 1997-09-10
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 62
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (1)
; OTHER INFORMATION: Amino acid 1 is attached by Nic.
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (7)
; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.
; NAME/KEY: DISULFID
; LOCATION: (3)-(6)
; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are
; OTHER INFORMATION: attached by a non-peptidal disulfide bond.
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism:peptide derivative
US-10-175-833-62

Query Match 59.0%; Score 36; DB 15; Length 7;
Best Local Similarity 83.3%; Pred. No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 4 GCGGSC 9
Db 1 GCGGCG 6

RESULT 5
US-09-287-849-43
; Sequence 43, Application US/09287849

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; SEQ ID NO 43
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-10-359-460-43

Query Match          59.0%; Score 36; DB 14; Length 9;
Best Local Similarity 83.3%; Pred.No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 4 GCGGSC 9
Db 3 GCGGCG 8

RESULT 7
US-10-359-459-7
; Sequence 7, Application US/10359459
; Publication No. US20040013677A1
; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; TITLE OF INVENTION: and Their Uses
; FILE REFERENCE: 014058-009010US
; CURRENT APPLICATION NUMBER: US/10/359,459
; CURRENT FILING DATE: 2003-02-05
; PRIOR APPLICATION NUMBER: US/09/223,040
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin ver. 2.1
; SEQ ID NO 7
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-10-359-459-7

Query Match          59.0%; Score 36; DB 15; Length 9;
Best Local Similarity 83.3%; Pred.No. 1.6e+06;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 4 GCGGSC 9
Db 3 GCGGCG 8

RESULT 8
US-10-163-415-2
; Sequence 2, Application US/10163415
; Publication No. US20030129204A1
; GENERAL INFORMATION:
; APPLICANT: KNOX, DAVID PATRICK
; APPLICANT: SMITH, STUART KEVIN
; APPLICANT: SMITH, WILLIAM DAVID
; APPLICANT: REDMOND, DIANE
; APPLICANT: MURRAY, JACQUELINE
; TITLE OF INVENTION: VACCINES AGAINST HELMINTHIC PARASITES
; FILE REFERENCE: 1181-264
; CURRENT APPLICATION NUMBER: US/10/163,415
; CURRENT FILING DATE: 2002-06-07
; PRIOR APPLICATION NUMBER: US 08/716418
; PRIOR FILING DATE: 1996-09-20
; PRIOR APPLICATION NUMBER: PCT/GB95/00665
; PRIOR FILING DATE: 1995-03-24
; PRIOR APPLICATION NUMBER: GB 9405925.0

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; PRIOR FILING DATE: 1994-03-25
; PRIOR APPLICATION NUMBER: GB 9405990.4
; PRIOR FILING DATE: 1994-03-25
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; NAME/KEY: misc.feature
; LOCATION: (6)..(6)
; OTHER INFORMATION: The 'Xaa' at location 6 stands for Ser.
; FEATURE:
; OTHER INFORMATION: PCR primer: 508G
US-10-163-415-2

Query Match
Best Local Similarity 54.1%; Score 33; DB 14; Length 8;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 3 QGCGCSC 9
Db 1 QGCGCXC 7

RESULT 9
US-10-702-228A-62
; Sequence 62, Application US/10702228A
; Publication No. US20050074785A1
; GENERAL INFORMATION:
; APPLICANT: Slater, Michael R.
; APPLICANT: Wood, Keith V.
; APPLICANT: Hartnett, James Robert
; APPLICANT: Promega Corporation
; TITLE OF INVENTION: Vectors for Directional Cloning
; FILE REFERENCE: 341.030US1
; CURRENT APPLICATION NUMBER: US/10/702,228A
; PRIOR FILING DATE: 2003-11-05
; PRIOR APPLICATION NUMBER: 10/678,961
; PRIOR FILING DATE: 2003-10-03
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 62
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A synthetic peptide
US-10-702-228A-62

Query Match
Best Local Similarity 51.6%; Score 31.5; DB 17; Length 8;
Matches 6; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 4 GCGGCSCN 10
Db 2 GCGC-CN 7

RESULT 10
US-10-678-961B-62
; Sequence 62, Application US/10678961B
; Publication No. US20050074883A1
; GENERAL INFORMATION:
; APPLICANT: Slater, Michael R.
; APPLICANT: Strauss, Ethan Edward
; APPLICANT: Wood, Keith V.
; APPLICANT: Hartnett, James Robert
; APPLICANT: Promega Corporation
; TITLE OF INVENTION: Vectors for Directional Cloning
; FILE REFERENCE: 341.023US1
; CURRENT APPLICATION NUMBER: US/10/678,961B

; PRIOR FILING DATE: 2003-10-03
; NUMBER OF SEQ ID NOS: 91
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 62
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: A synthetic peptide
US-10-678-961B-62

Query Match
Best Local Similarity 51.6%; Score 31.5; DB 17; Length 8;
Matches 6; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 4 GCGGCSCN 10
Db 2 GCGC-CN 7

RESULT 11
US-09-287-849-42
; Sequence 42, Application US/09287849
; Patent No. US20020009459A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; TITLE OF INVENTION: and Their Uses
; FILE REFERENCE: 014058-009020US
; CURRENT APPLICATION NUMBER: US/09/287,849
; CURRENT FILING DATE: 1999-04-07
; PRIOR APPLICATION NUMBER: US 08/818,112
; PRIOR FILING DATE: 1997-03-13
; PRIOR APPLICATION NUMBER: US 08/942,578
; PRIOR FILING DATE: 1997-10-01
; PRIOR APPLICATION NUMBER: US 09/025,197
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 09/056,556
; PRIOR FILING DATE: 1998-04-07
; PRIOR APPLICATION NUMBER: US 09/223,040
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 42
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: flexible
US-09-287-849-42

Query Match
Best Local Similarity 49.2%; Score 30; DB 9; Length 6;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 GCGGC 9
Db 1 GCGGC 5

RESULT 12
US-10-359-460-42
; Sequence 42, Application US/10359460
; Publication No. US20030147911A1
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
```

; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Alderson, Mark
 ; APPLICANT: Campos-Neto, Antonio
 ; APPLICANT: Corixa Corporation
 ; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
 ; TITLE OF INVENTION: and Their Uses
 ; FILE REFERENCE: 014058-009020US
 ; CURRENT APPLICATION NUMBER: US/10/359,460
 ; CURRENT FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/287,849
 ; PRIOR FILING DATE: 1999-04-07
 ; PRIOR APPLICATION NUMBER: US 08/818,112
 ; PRIOR FILING DATE: 1997-03-13
 ; PRIOR APPLICATION NUMBER: US 08/942,578
 ; PRIOR FILING DATE: 1997-10-01
 ; PRIOR APPLICATION NUMBER: US 09/025,197
 ; PRIOR FILING DATE: 1998-02-18
 ; PRIOR APPLICATION NUMBER: US 09/056,556
 ; PRIOR FILING DATE: 1998-04-07
 ; PRIOR APPLICATION NUMBER: US 09/223,040
 ; PRIOR FILING DATE: 1998-12-30
 ; NUMBER OF SEQ ID NOS: 46
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 42
 ; LENGTH: 6
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence:flexible
 ; OTHER INFORMATION: polylinker
 US-10-359-460-42

Query Match 49.2%; Score 30; DB 14; Length 6;
 Best Local Similarity 80.0%; Pred. No. 1.6e+06;
 Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 5 GCGSC 9
 Db 1 GCGGC 5

RESULT 13
 US-10-359-459-6
 ; Sequence 6, Application US/10359459
 ; Publication No. US20040013677A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Skeiky, Yasir
 ; APPLICANT: Alderson, Mark
 ; APPLICANT: Campos-Neto, Antonio
 ; APPLICANT: Corixa Corporation
 ; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
 ; TITLE OF INVENTION: and Their Uses
 ; FILE REFERENCE: 014058-009010US
 ; CURRENT APPLICATION NUMBER: US/10/359,459
 ; CURRENT FILING DATE: 2003-02-05
 ; PRIOR APPLICATION NUMBER: US/09/223,040
 ; PRIOR FILING DATE: 1998-12-30
 ; NUMBER OF SEQ ID NOS: 10
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 6
 ; LENGTH: 6
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence:flexible
 ; OTHER INFORMATION: polylinker
 US-10-359-459-6

Query Match 49.2%; Score 30; DB 15; Length 6;
 Best Local Similarity 80.0%; Pred. No. 1.6e+06;
 Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 5 GCGSC 9

Db 1 GCGGC 5
 RESULT 14
 US-09-765-086-57
 ; Sequence 57, Application US/09765086
 ; Patent No. US20010046498A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Ruoslahti, Erkki
 ; APPLICANT: Pasqualini, Renata
 ; APPLICANT: Wadib, Arap
 ; APPLICANT: Bredesen, Dale E.
 ; APPLICANT: Ellerby, H. Michael
 ; TITLE OF INVENTION: Chimeric Prostate-Homing Peptides With
 ; FILE REFERENCE: P-LJ 3844
 ; CURRENT APPLICATION NUMBER: US/09/765,086
 ; CURRENT FILING DATE: 2001-01-17
 ; PRIOR APPLICATION NUMBER: US 09/489,582
 ; PRIOR FILING DATE: 2000-01-21
 ; NUMBER OF SEQ ID NOS: 235
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 57
 ; LENGTH: 10
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: synthetic peptide
 US-09-765-086-57

Query Match 49.2%; Score 30; DB 9; Length 10;
 Best Local Similarity 80.0%; Pred. No. 8.5e+02;
 Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
 QY 6 GCGSC 10
 Db 1 CGECN 5

RESULT 15
 US-09-779-308-222
 ; Sequence 222, Application US/09779308
 ; Patent No. US20020150972A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Mary Faris
 ; APPLICANT: Daniel E.H. Afar
 ; APPLICANT: Pia M. Challita-Bid
 ; APPLICANT: Rene S. Hubert
 ; APPLICANT: Elana Levin
 ; APPLICANT: Steve Chappell Mitchell
 ; APPLICANT: Ava Jakobovits
 ; TITLE OF INVENTION: 34P1D7: A TISSUE SPECIFIC PROTEIN
 ; FILE REFERENCE: 129.4USU1
 ; CURRENT APPLICATION NUMBER: US/09/779,308
 ; CURRENT FILING DATE: 2001-02-08
 ; PRIOR APPLICATION NUMBER: 60/181,020
 ; PRIOR FILING DATE: 2000-02-08
 ; NUMBER OF SEQ ID NOS: 718
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 222
 ; LENGTH: 10
 ; TYPE: PRT
 ; ORGANISM: Homo Sapiens
 US-09-779-308-222

Query Match 49.2%; Score 30; DB 9; Length 10;
 Best Local Similarity 71.4%; Pred. No. 8.5e+02;
 Matches 5; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
 QY 1 RMQGGCG 7

Db 1 RLOGGAG 7

Search completed: June 20, 2005, 08:14:33
Job time : 106.5 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 07:44:59 ; Search time 29.5 Seconds
(without alignments)
25.305 Million cell updates/sec

Title: US-09-867-159A-3

Perfect score: 61

Sequence: 1 RMOGGCGSCN 10

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 115750

Minimum DB seq length: 0

Maximum DB seq length: 10

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA:*
1: /cgn2_6/ptodata/1/iaa/5A COMB.pep.*
2: /cgn2_6/ptodata/1/iaa/5B COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B COMB.pep.*
5: /cgn2_6/ptodata/1/iaa/PCTUS COMB.pep.*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	36	59.0	7	4	US-09-144-991B-59
2	36	59.0	7	4	US-09-144-991B-60
3	36	59.0	7	4	US-09-144-991B-62
4	36	59.0	9	4	US-09-470-191-94
5	36	59.0	9	4	US-09-223-040-7
6	36	59.0	9	4	US-09-287-849-43
7	31	50.8	8	2	US-08-835-099A-3
8	31	50.8	8	3	US-09-157-349-3
9	31	50.8	8	3	US-08-779-072A-6
10	30	49.2	6	4	US-09-470-191-93
11	30	49.2	6	4	US-09-223-040-6
12	30	49.2	6	4	US-09-287-849-42
13	30	49.2	8	3	US-08-779-072A-1
14	30	49.2	10	2	US-08-361-864-36
15	30	49.2	10	2	US-08-902-367-7
16	30	49.2	10	3	US-08-535-170-9
17	30	49.2	10	3	US-09-139-802-57
18	30	49.2	10	4	US-09-659-786-57
19	30	49.2	10	4	US-08-926-914-57
20	29	47.5	9	1	US-08-482-880-8
21	29	47.5	9	2	US-08-273-274-8
22	29	47.5	9	2	US-08-475-041-8
23	29	47.5	9	2	US-08-484-773-8
24	29	47.5	10	2	US-08-335-832-8
25	29	47.5	10	3	US-09-141-127-2
26	29	47.5	10	3	US-09-139-802-52
27	29	47.5	10	4	US-09-659-786-52

28	29	47.5	10	4	US-08-926-914-52	Sequence 52, Appl
29	28	45.9	5	1	US-08-467-607-10	Sequence 10, Appl
30	28	45.9	5	2	US-08-469-362-10	Sequence 10, Appl
31	28	45.9	5	2	US-08-850-392-10	Sequence 10, Appl
32	28	45.9	6	4	US-09-982-704-9	Sequence 9, Appl
33	28	45.9	7	3	US-08-827-171B-13	Sequence 13, Appl
34	28	45.9	7	4	US-09-588-995A-111	Sequence 111, App
35	28	45.9	7	4	US-09-598-062-13	Sequence 13, Appl
36	28	45.9	8	1	US-08-526-710-28	Sequence 28, Appl
37	28	45.9	8	3	US-08-862-855-28	Sequence 28, Appl
38	28	45.9	8	3	US-09-226-985-28	Sequence 28, Appl
39	28	45.9	8	3	US-09-237-906-28	Sequence 28, Appl
40	28	45.9	8	4	US-09-228-866-28	Sequence 28, Appl
41	28	45.9	9	3	US-08-997-802-10	Sequence 10, Appl
42	28	45.9	9	3	US-08-997-802-11	Sequence 11, Appl
43	28	45.9	10	3	US-09-139-802-32	Sequence 32, Appl
44	28	45.9	10	4	US-09-659-786-32	Sequence 32, Appl
45	28	45.9	10	4	US-08-926-914-32	Sequence 32, Appl

ALIGNMENTS

RESULT 1

US-09-144-991B-59
; Sequence 59, Application US/09144991B
; Patent No. 6440933
; GENERAL INFORMATION:
; APPLICANT: BODOR, Nicholas Stephen
; APPLICANT: BARTOLOMEO, Maria
; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT
; TITLE OF INVENTION: OF DIABETIC RETINOPATHY
; FILE REFERENCE: 028724-109
; CURRENT APPLICATION NUMBER: US/09/144,991B
; PRIOR FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: US 60/058,423
; PRIOR FILING DATE: 1997-09-10
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (1)
; OTHER INFORMATION: Amino acid 1 is attached by Trig.
; NAME/KEY: BINDING
; LOCATION: (7)
; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.
; NAME/KEY: DISULFID
; LOCATION: (3)..(6)
; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are
; OTHER INFORMATION: attached by a non-peptidic disulfide bond.
; OTHER INFORMATION: Description of Unknown Organism:peptide derivative

Query Match 59.0%; Score 36; DB 4; Length 7;

Best Local Similarity 83.3%; Pred. No. 4.1e+05;

Mismatches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 4 GCGGSC 9

Db 1 GCGGCG 6

RESULT 2

US-09-144-991B-60
; Sequence 60, Application US/09144991B
; Patent No. 6440933
; GENERAL INFORMATION:
; APPLICANT: BODOR, Nicholas Stephen
; APPLICANT: BARTOLOMEO, Maria

; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT
; TITLE OF INVENTION: OF DIABETIC RETINOPATHY
; FILE REFERENCE: 028724-109
; CURRENT APPLICATION NUMBER: US/09/144,991B
; CURRENT FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: US 60/058,423
; PRIOR FILING DATE: 1997-09-10
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 60
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (1)
; OTHER INFORMATION: Amino acid 1 is attached by Nic.
; NAME/KEY: BINDING
; LOCATION: (7)
; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.
; NAME/KEY: DISULFIDE
; LOCATION: (3)..(6)
; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are
; OTHER INFORMATION: attached by a non-peptidial disulfide bond.
; OTHER INFORMATION: Description of Unknown Organism:peptide derivative
US-09-144-991B-60

Query Match 59.0%; Score 36; DB 4; Length 7;
Best Local Similarity 83.3%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GCGGSC 9
| | | | |
Db 1 GCGGCG 6

RESULT 3
US-09-144-991B-62
; Sequence 62, Application US/09144991B
; Patent No. 6440933
; GENERAL INFORMATION:
; APPLICANT: BODOR, Nicholas Stephen
; APPLICANT: BARTOLOMEO, Maria
; TITLE OF INVENTION: COMPOUNDS AND METHOD FOR THE PREVENTION AND TREATMENT
; TITLE OF INVENTION: OF DIABETIC RETINOPATHY
; FILE REFERENCE: 028724-109
; CURRENT APPLICATION NUMBER: US/09/144,991B
; CURRENT FILING DATE: 1998-09-01
; PRIOR APPLICATION NUMBER: US 60/058,423
; PRIOR FILING DATE: 1997-09-10
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 62
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; NAME/KEY: BINDING
; LOCATION: (1)
; OTHER INFORMATION: Amino acid 1 is attached by Nic.
; NAME/KEY: BINDING
; LOCATION: (7)
; OTHER INFORMATION: Amino acid 7 is attached by a hydroxide bond.
; NAME/KEY: DISULFID
; LOCATION: (3)..(6)
; OTHER INFORMATION: Cysteine residues at positions 3 and 6 are
; OTHER INFORMATION: attached by a non-peptidial disulfide bond.
; OTHER INFORMATION: Description of Unknown Organism:peptide derivative
US-09-144-991B-62

Query Match 59.0%; Score 36; DB 4; Length 7;
Best Local Similarity 83.3%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GCGGSC 9
| | | | |
Db 1 GCGGCG 6

RESULT 4
US-09-470-191-94
; Sequence 94, Application US/09470191
; Patent No. 6465633
; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods of Their Use in
; TITLE OF INVENTION: the Treatment, Prevention and Diagnosis of Tuberculosis
; FILE REFERENCE: 014058-008910US
; CURRENT APPLICATION NUMBER: US/09/470,191
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US 60/113,952
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 94
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: flexible polylinker
US-09-470-191-94

Query Match 59.0%; Score 36; DB 4; Length 9;
Best Local Similarity 83.3%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GCGGSC 9
| | | | |
Db 3 GCGGCG 8

RESULT 5
US-09-223-040-7
; Sequence 7, Application US/09223040
; Patent No. 6544522
; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Reto, Antonio
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; TITLE OF INVENTION: and Their Uses
; FILE REFERENCE: 014058-009010US
; CURRENT APPLICATION NUMBER: US/09/223,040
; CURRENT FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-09-223-040-7

Query Match 59.0%; Score 36; DB 4; Length 9;
Best Local Similarity 83.3%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 4 GCGGSC 9
| | | | |
Db 3 GCGGCG 8


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/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 083649/1996
/ FILING DATE: 05-APR-1996
/ APPLICATION NUMBER: 97105508.2
/ FILING DATE: 03-APR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Resnick, David S
/ REGISTRATION NUMBER: 34,235
/ REFERENCE/DOCKET NUMBER: 47342
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 617-523-3400
/ TELEFAX: 617-523-6440
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 3:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 8 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/ US-08-835-099A-3
/
/ Query Match 50.8%; Score 31; DB 2; Length 8;
/ Best Local Similarity 71.4%; Pred. No. 4.le+05;
/ Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
/
/ QY 3 QGCGSC 9
/ | | | |
/ Db 2 QGGLGDC 8
/
/ RESULT 8
/ US-09-157-349-3
/ Sequence 3, Application US/09157349
/ Patent No. 6068990
/ GENERAL INFORMATION:
/ APPLICANT: SHINTANI, Yasushi
/ APPLICANT: NISHI, Kazuori
/ APPLICANT: KAWAMOTO, Tomohiro
/ TITLE OF INVENTION: NOVEL PROTEINS, THEIR PRODUCTION
/ TITLE OF INVENTION: AND USE
/ NUMBER OF SEQUENCES: 18
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSMAN, LLP
/ STREET: 130 Water Street
/ CITY: Boston
/ STATE: MA
/ COUNTRY: USA
/ ZIP: 02109
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ COMPUTER: IBM Compatible
/ OPERATING SYSTEM: DOS
/ SOFTWARE: FASTSEQ for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/157,349
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/835,099
/ FILING DATE:
/ APPLICATION NUMBER: 97105508.2
/ FILING DATE: 03-APR-1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Resnick, David S
/ REGISTRATION NUMBER: 34,235
/ REFERENCE/DOCKET NUMBER: 47342
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 617-523-3400
/ TELEFAX: 617-523-6440
/ TELEX:
/ INFORMATION FOR SEQ ID NO: 3:
/ SEQUENCE CHARACTERISTICS:

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; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-157-349-3

Query Match
Best Local Similarity 50.8%; Score 31; DB 3; Length 8;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 QGCGSC 9
Db 2 QGGLGDC 8

RESULT 9
US-08-779-072A-6
; Sequence 6, Application US/08779072A
; Patent No. 6180767
; GENERAL INFORMATION:
; APPLICANT: Wickstrom, Eroc
; APPLICANT: Baev, Soumitra
; TITLE OF INVENTION: PEPTIDE NUCLEIC ACID CONJUGATES
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seidel, Gonda, Lavorgna & Monaco, P.C.
; STREET: Suite 1800, Two Penn Center Plaza
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: U.S.A.
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,072A
; FILING DATE: January 7, 1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,747
; FILING DATE: January 11, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Monaco, Daniel A.
; REGISTRATION NUMBER: 30,480
; REFERENCE/DOCKET NUMBER: 8321-14
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-8383
; TELEFAX: (215) 568-5549
; TELEX: NO. 6180767e
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-779-072A-6

Query Match
Best Local Similarity 50.8%; Score 31; DB 3; Length 8;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 4 GCGSC 9
Db 3 GGCAAC 8

RESULT 10
US-09-470-191-93
; Sequence 93, Application US/09470191
; Patent No. 6465633

; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; MOLECULE TYPE: peptide
US-09-157-349-3

Query Match
Best Local Similarity 50.8%; Score 31; DB 3; Length 8;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 QGCGSC 9
Db 2 QGGLGDC 8

RESULT 9
US-08-779-072A-6
; Sequence 6, Application US/08779072A
; Patent No. 6180767
; GENERAL INFORMATION:
; APPLICANT: Wickstrom, Eroc
; APPLICANT: Baev, Soumitra
; TITLE OF INVENTION: PEPTIDE NUCLEIC ACID CONJUGATES
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seidel, Gonda, Lavorgna & Monaco, P.C.
; STREET: Suite 1800, Two Penn Center Plaza
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: U.S.A.
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,072A
; FILING DATE: January 7, 1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,747
; FILING DATE: January 11, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Monaco, Daniel A.
; REGISTRATION NUMBER: 30,480
; REFERENCE/DOCKET NUMBER: 8321-14
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (215) 568-8383
; TELEFAX: (215) 568-5549
; TELEX: NO. 6180767e
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-779-072A-6

Query Match
Best Local Similarity 50.8%; Score 31; DB 3; Length 8;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 4 GCGSC 9
Db 3 GGCAAC 8

RESULT 10
US-09-470-191-93
; Sequence 93, Application US/09470191
; Patent No. 6465633

; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Compositions and Methods of Their Use in
; TITLE OF INVENTION: the Treatment, Prevention and Diagnosis of Tuberculosis
; FILE REFERENCE: 014058-008910US
; CURRENT APPLICATION NUMBER: US/09/470,191
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: US 60/113,952
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 97
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 93
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: flexible polylinker
US-09-470-191-93

Query Match
Best Local Similarity 49.2%; Score 30; DB 4; Length 6;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 5 GCGSC 9
Db 1 GCGGC 5

RESULT 11
US-09-223-040-6
; Sequence 6, Application US/09223040
; Patent No. 6544522
; GENERAL INFORMATION:
; APPLICANT: Skeiky, Yasir
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Neto, Antonio
; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; TITLE OF INVENTION: and Their Uses
; FILE REFERENCE: 014058-009010US
; CURRENT APPLICATION NUMBER: US/09/223,040
; CURRENT FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-09-223-040-6

Query Match
Best Local Similarity 49.2%; Score 30; DB 4; Length 6;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 5 GCGSC 9
Db 1 GCGGC 5

RESULT 12
US-09-287-849-42
; Sequence 42, Application US/09287849
; Patent No. 6627198
; GENERAL INFORMATION:
; APPLICANT: Reed, Steven G.
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Alderson, Mark
; APPLICANT: Campos-Neto, Antonio
```

; APPLICANT: Corixa Corporation
; TITLE OF INVENTION: Fusion Proteins of Mycobacterium tuberculosis Antigens
; TITLE OF INVENTION: and Their Uses
; FILE REFERENCE: 014058-0090200S
; CURRENT APPLICATION NUMBER: US/09/287,849
; CURRENT FILING DATE: 1999-04-07
; PRIOR APPLICATION NUMBER: US 08/818,112
; PRIOR FILING DATE: 1997-03-13
; PRIOR APPLICATION NUMBER: US 08/942,578
; PRIOR FILING DATE: 1997-10-01
; PRIOR APPLICATION NUMBER: US 09/025,197
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 09/056,556
; PRIOR FILING DATE: 1998-04-07
; PRIOR APPLICATION NUMBER: US 09/223,040
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 42
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence.
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:flexible
; OTHER INFORMATION: polylinker
US-09-287-849-42

Query Match 49.2%; Score 30; DB 4; Length 6;
Best Local Similarity 80.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 5 GCGSC 9
Db 1 GCGSC 5

RESULT 13
US-08-779-072A-1
; Sequence 1, Application US/08779072A
; Patent No. 6180767
; GENERAL INFORMATION:
; APPLICANT: Wickstrom, Eric
; APPLICANT: Basu, Soumitra
; TITLE OF INVENTION: PEPTIDE NUCLEIC ACID CONJUGATES
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seidel, Gonda, Lavorgna & Monaco, P.C.
; STREET: Suite 1800, Two Penn Center Plaza
; CITY: Philadelphia
; STATE: Pennsylvania
; COUNTRY: U.S.A.
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/779,072A
; FILING DATE: January 7, 1997
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,747
; FILING DATE: January 11, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Monaco, Daniel A.
; REGISTRATION NUMBER: 30,480
; REFERENCE/DOCKET NUMBER: 8321-14
; TELEPHONE: (215) 568-8383
; TELEFAX: (215) 568-5549
; TELEX: No. 6180767e
; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-779-072A-1

Query Match 49.2%; Score 30; DB 3; Length 8;
Best Local Similarity 66.7%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 GCGSC 9
Db 3 GCGSC 8

RESULT 14
US-08-361-864-36
; Sequence 36, Application US/08361864
; Patent No. 5977064
; GENERAL INFORMATION:
; APPLICANT: Dean, Richard T
; APPLICANT: Lister-James, John
; TITLE OF INVENTION: Multimeric Polyvalent Antithrombotic
; TITLE OF INVENTION: Agents
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Allegretti & Witcoff, Ltd.
; STREET: 10 South Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/361,864
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/955,466A
; FILING DATE: 19921002
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 5977064nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 92,668
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 910-221-5317
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1..5
; OTHER INFORMATION: /label= Cyclic
; OTHER INFORMATION: /note= "The sidechain sulfur of the 1st cysteine
; OTHER INFORMATION: is protected by an -CH2CO- group, that also forms
; OTHER INFORMATION: an amide bond with the N-terminus; the Y is the D
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 6..8
; OTHER INFORMATION: /label= Tc-99m-binding
; OTHER INFORMATION: /note= "The sidechain sulfur atom of each cysteine
; OTHER INFORMATION: is protected by an acetamido group; the C-terminal
; OTHER INFORMATION: cysteine is an amide"

US-08-361-864-36

Query Match 49.2%; Score 30; DB 2; Length 10;
Best Local Similarity 57.1%; Pred. No. 2e+02;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 3 QGCGSC 9
:|:|:
Db 2 RGDGCG 8

RESULT 15

US-08-902-367-7
; Sequence 7, Application US/08902367
; Patent No. 5997845
; GENERAL INFORMATION:
; APPLICANT: Dean, Richard T.
; APPLICANT: Lister-James, John
; APPLICANT: Civitello, Edgar R.
; TITLE OF INVENTION: Radiolabeled Compounds for Thrombus
; TITLE OF INVENTION: Imaging
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McDonnell Boenhen Hulbert & Berghoff
; STREET: 300 South Wacker Drive Seventh Floor
; CITY: Chicago
; STATE: Illinois
; COUNTRY: USA
; ZIP: 60606

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/902,367
APPLICATION NUMBER: US/08/902,367
FILING DATE:

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/462,668
FILING DATE: 05-JUN-1995
ATTORNEY/AGENT INFORMATION:
NAME: No. 5997845nan, Kevin E
REGISTRATION NUMBER: 35,303
REFERENCE/DOCKET NUMBER: 90,1104-W
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312 913 0001
TELEFAX: 312 913 0002
TELEX:

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Modified-site
LOCATION: 1..3
OTHER INFORMATION: /label= D-Tyr
OTHER INFORMATION: /note= "The tyrosine residue is in the D-stereo-
OTHER INFORMATION: chemical configuration"

FEATURE:
NAME/KEY: Modified-site
LOCATION: 1..5
OTHER INFORMATION: /label= Cyclic
OTHER INFORMATION: /note= "The sidechain sulfur of the Cys
OTHER INFORMATION: residue is covalently linked to the amino
OTHER INFORMATION: terminus by a -CH2CO- group."

FEATURE:
NAME/KEY: Modified-site
LOCATION: 8..10
OTHER INFORMATION: /label= Tc-99m-chelator
OTHER INFORMATION: /note= "The sidechain sulfur atoms of both Cys

; OTHER INFORMATION: residues are each protected with an
; OTHER INFORMATION: acetamidomethyl group"

FEATURE:
NAME/KEY: Modified-site

LOCATION: 10
OTHER INFORMATION: /label= Amide

; OTHER INFORMATION: /note= "The carboxyl terminus is modified to an
; OTHER INFORMATION: amide"

US-08-902-367-7

Query Match 49.2%; Score 30; DB 2; Length 10;
Best Local Similarity 57.1%; Pred. No. 2e+02;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 3 QGCGSC 9
:|:|:
Db 2 RGDGCG 8

Search completed: June 20, 2005, 07:58:25
Job time : 30.5 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 07:54:50 ; Search time 105.5 Seconds
(without alignments)
36.396 Million cell updates/sec

Title: US-09-867-159A-4

Perfect score: 55

Sequence: 1 QPNYHAVNIV 10

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 204365

Minimum DB seq length: 0
Maximum DB seq length: 10

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

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11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	55	100.0	10	10	US-09-867-159A-4
2	30	54.5	10	9	US-09-748-578-5
3	30	54.5	10	14	US-10-411-905-5
4	28	50.9	8	16	US-10-220-467A-2
5	28	50.9	9	15	US-10-436-782-24
6	26	47.3	8	10	US-09-880-748-2740
7	26	47.3	8	15	US-10-293-418-2740
8	26	47.3	10	9	US-09-851-138-204
9	25	45.5	8	10	US-09-988-493-162
10	25	45.5	8	13	US-10-007-363-4
11	25	45.5	8	16	US-10-807-553-4
					Sequence 4, Appli
					Sequence 5, Appli
					Sequence 2, Appli
					Sequence 24, Appli
					Sequence 2740, Ap
					Sequence 204, App
					Sequence 162, App
					Sequence 4, Appli

12	25	45.5	9	17	US-10-820-467-236	Sequence 236, App
13	24	43.6	6	16	US-10-699-088-742	Sequence 742, App
14	24	43.6	6	16	US-10-699-088-959	Sequence 959, App
15	24	43.6	6	16	US-10-699-113-48	Sequence 48, Appl
16	24	43.6	6	16	US-10-699-113-742	Sequence 742, App
17	24	43.6	6	17	US-10-699-114-742	Sequence 742, App
18	24	43.6	6	17	US-10-699-114-959	Sequence 959, App
19	24	43.6	6	17	US-10-806-924-11	Sequence 11, Appl
20	24	43.6	6	17	US-10-806-924-705	Sequence 705, App
21	24	43.6	7	14	US-10-052-578-164	Sequence 164, App
22	24	43.6	7	14	US-10-052-578-210	Sequence 210, App
23	24	43.6	7	14	US-10-053-520-164	Sequence 164, App
24	24	43.6	7	14	US-10-053-520-210	Sequence 210, App
25	24	43.6	7	14	US-10-053-498B-164	Sequence 164, App
26	24	43.6	7	14	US-10-053-498B-210	Sequence 210, App
27	24	43.6	7	15	US-10-258-146A-22	Sequence 22, Appl
28	24	43.6	7	15	US-10-258-146A-68	Sequence 68, Appl
29	24	43.6	7	15	US-10-328-953-167	Sequence 167, App
30	24	43.6	7	15	US-10-328-953-213	Sequence 213, App
31	24	43.6	7	16	US-10-258-144-57	Sequence 57, Appl
32	24	43.6	7	16	US-10-258-144-103	Sequence 103, App
33	24	43.6	9	9	US-09-826-177-56	Sequence 56, Appl
34	24	43.6	9	15	US-10-428-335-142	Sequence 142, App
35	24	43.6	6	16	US-10-699-088-760	Sequence 760, App
36	23	41.8	6	16	US-10-699-088-1053	Sequence 1053, Ap
37	23	41.8	6	16	US-10-699-113-142	Sequence 142, App
38	23	41.8	6	16	US-10-699-113-760	Sequence 760, App
39	23	41.8	6	17	US-10-699-114-760	Sequence 760, App
40	23	41.8	6	17	US-10-699-114-1053	Sequence 1053, Ap
41	23	41.8	6	17	US-10-806-924-105	Sequence 105, App
42	23	41.8	6	17	US-10-806-924-723	Sequence 723, App
43	23	41.8	7	15	US-10-285-394-289	Sequence 289, App
44	23	41.8	7	15	US-10-601-837-176	Sequence 176, App
45	23	41.8	7	16	US-10-700-330-190	Sequence 190, App

ALIGNMENTS

RESULT 1

US-09-867-159A-4
; Sequence 4, Application US/09867159A
; Publication No. US20030104013A1
; GENERAL INFORMATION:
; APPLICANT: ANTIALLIS
; TITLE OF INVENTION: Anti-allergic pharmaceutical composition containing at least one
; FILE OF INVENTION: and at least one anti-histamine compound
; FILE REFERENCE: B112812US-antiallis
; CURRENT APPLICATION NUMBER: US/09/867,159A
; CURRENT FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: FR01/04370
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: FR01/05929
; PRIOR FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Dermatophagoides pteronyssinus
; FEATURE:
; NAME/KEY: peptide
; LOCATION: (1)..(10)
; OTHER INFORMATION: Comprises epitope from cystine protease.
US-09-867-159A-4

Query Match 100.0%; Score 55; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.0017;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 QPNYHAVNIV 10

Db 1 QPNYHAVNIV 10

TERRASSE, GAETAN LORIA, EMILE
TREHIN, YVES


```

1  AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
2  AGENTS
3
4  NUMBER OF SEQUENCES: 207
5  CORRESPONDENCE ADDRESS:
6  ADDRESSEE: ARNOLD, WHITE & DURKEE
7  STREET: P.O. BOX 4433
8  CITY: HOUSTON
9  STATE: TEXAS
10 COUNTRY: USA
11 ZIP: 77210-4433
12
13 COMPUTER READABLE FORM:
14 MEDIUM TYPE: Floppy disk
15 COMPUTER: IBM PC compatible
16 OPERATING SYSTEM: PC-DOS/MS-DOS
17 SOFTWARE: Microsoft Word 6.0 / ASCII text output
18
19 CURRENT APPLICATION DATA:
20 APPLICATION NUMBER: US/09/851,138
21 FILING DATE: 09-May-2001
22
23 PRIOR APPLICATION DATA:
24 APPLICATION NUMBER: 08/836,075
25 FILING DATE: <Unknown>
26 APPLICATION NUMBER: EP 94870166.9
27 FILING DATE: 21 Oct 1994
28 APPLICATION NUMBER: EP 95870076.7
29 FILING DATE: 28 Jun 1995
30
31 ATTORNEY/AGENT INFORMATION:
32 NAME: KAMMERER, PATRICIA A.
33 REGISTRATION NUMBER: 29,775
34 REFERENCE/DOCKET NUMBER: INNS:004
35
36 INFORMATION FOR SEQ ID NO: 204:
37 SEQUENCE CHARACTERISTICS:
38 LENGTH: 10 amino acids
39 TYPE: amino acid
40 TOPOLOGY: linear
41 MOLECULE TYPE: peptide
42 SEQUENCE DESCRIPTION: SEQ ID NO: 204:
43
44 US-09-851-138-204
45
46 Query Match 47.3%; Score 26; DB 9; Length 10;
47 Best Local Similarity 57.1%; Pred. No. 4e+02;
48 Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;
49
50 QY 1 QPNYHAV 7
51 :|||
52 Db 1 RPKYHGV 7
53
54 RESULT 9
55 US-09-988-493-162
56 ; Sequence 162, Application US/09988493
57 ; Publication No. US20030064419A1
58 ; GENERAL INFORMATION:
59 ; APPLICANT: Herath, Herath Mudiyanseelage Athula Chandrasiri
60 ; APPLICANT: O'Hare, Michael John
61 ; APPLICANT: Page, Martin John
62 ; APPLICANT: Parekh, Rajesh Bhikhu
63 ; APPLICANT: Waterfield, Michael Derek
64 ; TITLE OF INVENTION: Proteins, Genes, and Their Use for
65 ; TITLE OF INVENTION: Diagnosis and Treatment of Breast Cancer
66 ; FILE REFERENCE: 2543-1-024
67 ; CURRENT APPLICATION NUMBER: US/09/988,493
68 ; CURRENT FILING DATE: 2002-05-21
69 ; PRIOR APPLICATION NUMBER: PCT/GB01/01219
70 ; PRIOR FILING DATE: 2001-03-20
71 ; PRIOR APPLICATION NUMBER: GB 0006695.1
72 ; PRIOR FILING DATE: 2000-03-20
73 ; PRIOR APPLICATION NUMBER: GB 0007265.2
74 ; PRIOR FILING DATE: 2000-02-24
75 ; NUMBER OF SEQ ID NOS: 308
76 ; SOFTWARE: FastSeq for Windows Version 4.0
77 ; SEQ ID NO 162
78 ; LENGTH: 8
79 ; TYPE: PRT

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; ORGANISM: homo sapien
US-09-988-493-162

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Best Local Similarity 80.0%; Pred. No. 1.5e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      3 NYHAV 7
       |:|||
Db      2 NFHAV 6

RESULT 10
US-10-007-363-4
; Sequence 4, Application US/10007363
; Publication No. US20020168354A1
; GENERAL INFORMATION:
; APPLICANT: Mochly-Rosen, Daria
; TITLE OF INVENTION: pseudo-epsilon RACK Peptide Composition
; FILE OF INVENTION: and Method for Protection Against Tissue Damage Due to
; TITLE OF INVENTION: Ischemia
; FILE OF INVENTION: Ischemia
; FILE REFERENCE: 58600-8209.US00
; CURRENT APPLICATION NUMBER: US/10/007,363
; CURRENT FILING DATE: 2002-11-09
; PRIOR APPLICATION NUMBER: US 60/247,830
; PRIOR FILING DATE: 2000-11-10
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: scrambled pseudo-epsilon RACK octapeptide
US-10-007-363-4

Query Match      45.5%; Score 25; DB 13; Length 8;
Best Local Similarity 50.0%; Pred. No. 1.5e+06;
Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      2 PNYHAVNI 9
       |:|||
Db      1 PDYHDAGI 8

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; Sequence 4, Application US/10807553
; Publication No. US20040186055A1
; GENERAL INFORMATION:
; APPLICANT: Mochly-Rosen, Daria
; TITLE OF INVENTION: pseudo-epsilon RACK Peptide Composition
; TITLE OF INVENTION: and Method for Protection Against Tissue Damage Due to
; TITLE OF INVENTION: Ischemia
; FILE REFERENCE: 58600-8209.US00
; CURRENT APPLICATION NUMBER: US/10/807,553
; CURRENT FILING DATE: 2004-03-22
; PRIOR APPLICATION NUMBER: US/10/007,363
; PRIOR FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: US 60/247,830
; PRIOR FILING DATE: 2000-11-10
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: scrambled pseudo-epsilon RACK octapeptide
US-10-807-553-4

Query Match      45.5%; Score 25; DB 16; Length 8;
Best Local Similarity 50.0%; Pred. No. 1.5e+06;
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Matches 4; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY      2 PNYHAVNI 9
       |:|||
Db      1 PDYHDAGI 8

RESULT 12
US-10-820-467-236
; Sequence 236, Application US/10820467
; Publication No. US20050054053A1
; GENERAL INFORMATION:
; APPLICANT: Aguinaldo, Anna Marie
; APPLICANT: Beyma, Amelia Joy
; APPLICANT: Cho, Ho Sung
; APPLICANT: Desjarlais, John Rudolph
; APPLICANT: Marshall, Shannon Alicia
; APPLICANT: Muchhal, Umesh
; APPLICANT: Villegas, Michael Francis Aquino
; APPLICANT: Zhukovsky, Eugene
; APPLICANT: Quesenberry, Michael Stephen
; TITLE OF INVENTION: INTERFERON VARIANTS WITH IMPROVED PROPERTIES
; FILE REFERENCE: A-71431-4
; CURRENT APPLICATION NUMBER: US/10/820,467
; CURRENT FILING DATE: 2004-03-30
; PRIOR APPLICATION NUMBER: US 60/477,246
; PRIOR FILING DATE: 2003-06-10
; PRIOR APPLICATION NUMBER: US 60/415,541
; PRIOR FILING DATE: 2002-10-01
; PRIOR APPLICATION NUMBER: US 60/489,725
; PRIOR FILING DATE: 2003-07-24
; PRIOR APPLICATION NUMBER: US 10/676,705
; PRIOR FILING DATE: 2003-09-30
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 236
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: synthetic
US-10-820-467-236

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Best Local Similarity 66.7%; Pred. No. 1.5e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      3 NYHAVN 8
       |:|||
Db      3 NFHYVN 8

RESULT 13
US-10-699-088-742
; Sequence 742, Application US/10699088
; Publication No. US20040209282A1
; GENERAL INFORMATION:
; APPLICANT: Dana Ault-Riche
; APPLICANT: Bruce Atkinson
; TITLE OF INVENTION: METHODS FOR PRODUCING POLYPEPTIDE-TAGGED COLLECTIONS AND CAPTURE
; TITLE OF INVENTION: SYSTEMS CONTAINING THE TAGGED POLYPEPTIDES
; FILE REFERENCE: 25885-1754
; CURRENT APPLICATION NUMBER: US/10/699,088
; CURRENT FILING DATE: 2003-10-30
; PRIOR APPLICATION NUMBER: 60/422,923
; PRIOR FILING DATE: 2002-10-30
; PRIOR APPLICATION NUMBER: 60/423,018
; PRIOR FILING DATE: 2002-10-30
; NUMBER OF SEQ ID NOS: 1094
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 742
; LENGTH: 6
; TYPE: PRT
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-699-088-742

Query Match 43.6%; Score 24; DB 16; Length 6;
Best Local Similarity 60.0%; Pred. No. 1.5e+06;
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QPNYH 5
: |||
Db 2 EPGYH 6

RESULT 14

US-10-699-088-959
; Sequence 959, Application US/10699088
; Publication No. US20040209282A1
; GENERAL INFORMATION:
; APPLICANT: Dana Ault-Riche
; APPLICANT: Bruce Atkinson
; TITLE OF INVENTION: METHODS FOR PRODUCING POLYPEPTIDE-TAGGED COLLECTIONS AND CAPTURE
; FILE OF INVENTION: SYSTEMS CONTAINING THE TAGGED POLYPEPTIDES
; FILE REFERENCE: 25885-1754
; CURRENT APPLICATION NUMBER: US/10/699,088
; PRIOR FILING DATE: 2003-10-30
; PRIOR APPLICATION NUMBER: 60/422,923
; PRIOR FILING DATE: 2002-10-30
; PRIOR APPLICATION NUMBER: 60/423,018
; PRIOR FILING DATE: 2002-10-30
; NUMBER OF SEQ ID NOS: 1094
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 959
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-699-088-959

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Best Local Similarity 60.0%; Pred. No. 1.5e+06;
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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Db 1 EPGYH 5

RESULT 15

US-10-699-113-48
; Sequence 48, Application US/10699113
; Publication No. US20040241748A1
; GENERAL INFORMATION:
; APPLICANT: Ault-Riche, Dana
; APPLICANT: Kumble, Krishnanand
; APPLICANT: Schulz, Rainer
; APPLICANT: Schulz, Kenneth
; TITLE OF INVENTION: Self-Assembling Arrays and Uses Thereof
; FILE REFERENCE: 25885-1755
; CURRENT APPLICATION NUMBER: US/10/699,113
; PRIOR FILING DATE: 2003-10-30
; PRIOR APPLICATION NUMBER: 60/446,687
; PRIOR FILING DATE: 2003-02-10
; NUMBER OF SEQ ID NOS: 948
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 48
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-10-699-113-48

Query Match 43.6%; Score 24; DB 16; Length 6;
Best Local Similarity 60.0%; Pred. No. 1.5e+06;
Matches 3; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 QPNYH 5
: |||
Db 1 EPGYH 5

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Job time : 105.5 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 07:44:59 ; Search time 29.5 Seconds
(without alignments)
25.305 Million cell updates/sec

Title: US-09-867-159A-4

Perfect score: 55

Sequence: 1 QPNYHAVNIV 10

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 115750

Minimum DB seq length: 0

Maximum DB seq length: 10

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 3: /cgn2_6/ptodata/1/iaa/6A COMB pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B COMB pep.*
- 5: /cgn2_6/ptodata/1/iaa/PCTUS COMB pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1 pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	30	54.5	10	3	US-09-207-223-5
2	30	54.5	10	4	US-09-748-578-5
3	26	47.3	10	3	US-08-836-075A-204
4	25	45.5	9	1	US-08-615-181-108
5	25	45.5	10	1	US-08-212-433A-33
6	25	45.5	10	3	US-08-716-256-33
7	25	45.5	10	5	PCT-US95-03239-33
8	25	45.5	10	6	5436320-3
9	25	45.5	10	6	5436320-3
10	23	41.8	6	4	US-08-877-605-181
11	23	41.8	6	4	US-08-877-605-220
12	22	40.0	4	4	US-09-057-363C-18
13	22	40.0	4	4	US-09-265-107-18
14	22	40.0	7	1	US-08-092-110A-3
15	22	40.0	7	1	US-08-273-474-3
16	22	40.0	7	3	US-08-405-647B-14
17	22	40.0	7	3	US-08-935-100-3
18	22	40.0	7	3	US-09-147-933-22
19	22	40.0	7	3	US-08-985-499-14
20	22	40.0	7	5	PCT-US94-07881-3
21	22	40.0	7	5	PCT-US96-03180-14
22	22	40.0	8	3	US-08-947-965-62
23	22	40.0	8	3	US-08-444-818-404
24	22	40.0	9	2	US-08-318-856A-34
25	22	40.0	10	3	US-08-836-075A-195
26	21	38.2	4	1	US-08-456-424-79
27	21	38.2	4	1	US-08-456-424-80

28	21	38.2	5	2	US-08-558-823-12	Sequence 12, Appl
29	21	38.2	5	3	US-08-604-991-14	Sequence 14, Appl
30	21	38.2	5	3	US-09-363-639-14	Sequence 14, Appl
31	21	38.2	6	2	US-08-428-131-3	Sequence 3, Appl
32	21	38.2	6	2	US-08-558-823-15	Sequence 15, Appl
33	21	38.2	6	2	US-08-558-823-16	Sequence 16, Appl
34	21	38.2	6	2	US-08-310-912A-104	Sequence 104, App
35	21	38.2	6	3	US-08-893-534A-44	Sequence 44, Appl
36	21	38.2	6	3	US-08-841-089-104	Sequence 104, App
37	21	38.2	6	3	US-09-078-596-3	Sequence 3, Appl
38	21	38.2	6	3	US-08-996-679-44	Sequence 44, Appl
39	21	38.2	6	3	US-08-939-853A-28	Sequence 28, Appl
40	21	38.2	6	3	US-09-115-395-19	Sequence 19, Appl
41	21	38.2	6	3	US-09-301-085-104	Sequence 104, App
42	21	38.2	6	3	US-09-507-102-44	Sequence 44, Appl
43	21	38.2	6	3	US-09-250-059-34	Sequence 34, Appl
44	21	38.2	6	3	US-09-248-074-34	Sequence 34, Appl
45	21	38.2	6	3	US-09-187-859-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1

US-09-207-223-5

; Sequence 5, Application US/09207223

; Patent No. 6188937

; GENERAL INFORMATION:

; APPLICANT: Elbein, Alan D.

; APPLICANT: Bannon, Gary A.

; TITLE OF INVENTION: Purified (1,2-Xylosyltransferase and Uses Thereof

; FILE REFERENCE: D6083

; CURRENT APPLICATION NUMBER: US/09/207,223

; CURRENT FILING DATE: 1998-12-08

; EARLIER APPLICATION NUMBER: US 60/067,932

; EARLIER FILING DATE: 1997-12-08

; NUMBER OF SEQ ID NOS: 7

; SEQ ID NO 5

; LENGTH: 10

; TYPE: PRT

; ORGANISM: soybean

; FEATURE:

; OTHER INFORMATION: Amino acid sequence of a peptide released by Endo lys C

; OTHER INFORMATION: digestion of purified xylosyltransferase.

US-09-207-223-5

Query Match 54.5%; Score 30; DB 3; Length 10;

Best Local Similarity 66.7%; Pred. No. 15;

Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 4 YHAVNI 9

Db 4 YHAINL 9

RESULT 2

US-09-748-578-5

; Sequence 5, Application US/09748578

; Patent No. 6593462

; GENERAL INFORMATION:

; APPLICANT: Elbein, Alan D.

; APPLICANT: Bannon, Gary A.

; TITLE OF INVENTION: Purified (1,2-Xylosyltransferase and Uses Thereof

; FILE REFERENCE: D6063/D

; CURRENT APPLICATION NUMBER: US/09/748,578

; CURRENT FILING DATE: 2000-12-22

; PRIOR APPLICATION NUMBER: US 09/207,223

; PRIOR FILING DATE: 1998-12-08

; NUMBER OF SEQ ID NOS: 7

; SEQ ID NO 5

; LENGTH: 10

; TYPE: PRT

; ORGANISM: soybean

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; FEATURE:
; OTHER INFORMATION: Amino acid sequence of a peptide released by Endo
; OTHER INFORMATION: lys C digestion of purified xylosyltransferase.
US-09-748-578-5

Query Match      54.5%; Score 30; DB 4; Length 10;
Best Local Similarity 66.7%; Pred. No. 15;
Matches 4; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY      4 YHAVNI 9
      |||:|
Db      4 YHAINL 9

RESULT 3
US-08-836-075A-204
; Sequence 204, Application US/08836075A
; Patent No. 6180768
; GENERAL INFORMATION:
; APPLICANT: MAERTENS, GEERT
; APPLICANT: STUYVER, LIEVEN
; TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
; TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
; TITLE OF INVENTION: AGENTS
; NUMBER OF SEQUENCES: 207
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: USA
; ZIP: 77210-4433
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Microsoft Word 6.0 / ASCII text output
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/836,075A
; FILING DATE: 21 Apr 1997
; PRIOR APPLICATION DATA: PCT/EP95/04155
; FILING DATE: 23 Oct 1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: EP 94870166.9
; FILING DATE: 21 Oct 1994
; PRIOR APPLICATION DATA: EP 95870076.7
; FILING DATE: 28 Jun 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: KAMMERER, PATRICIA A.
; REGISTRATION NUMBER: 29,775
; REFERENCE/DOCKET NUMBER: INNS:004
; INFORMATION FOR SEQ ID NO: 204:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-836-075A-204

Query Match      47.3%; Score 26; DB 3; Length 10;
Best Local Similarity 57.1%; Pred. No. 86;
Matches 4; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      1 QPNYHAV 7
      :|||
Db      1 RPKYQV 7

RESULT 4
US-08-615-181-108
; Sequence 108, Application US/08615181
```

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; Patent No. 5756666
; GENERAL INFORMATION:
; APPLICANT: MASAFUMI, TAKIGUCHI
; APPLICANT: MIWA, KIYOSHI
; TITLE OF INVENTION: PEPTIDES CAPABLE OF INDUCING IMMUNE
; TITLE OF INVENTION: RESPONSE TO HIV AND ANTI-AIDS AGENT FOR PREVENTING AND
; TITLE OF INVENTION: CURING AIDS
; NUMBER OF SEQUENCES: 115
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/615,181
; FILING DATE: 04-APR-1996
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA: PCT/JP94/01756
; FILING DATE: 19-OCT-1994
; APPLICATION NUMBER: JP 261302/1993
; FILING DATE: 19-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: OBLON, NORMAN F.
; REGISTRATION NUMBER: 24,618
; REFERENCE/DOCKET NUMBER: 10-796-0 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 703-413-3000
; TELEFAX: 703-413-2220
; INFORMATION FOR SEQ ID NO: 108:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; ORIGINAL SOURCE:
; ORGANISM: HUMAN IMMUNODEFICIENCY VIRUS
; US-08-615-181-108

Query Match      45.5%; Score 25; DB 1; Length 9;
Best Local Similarity 62.5%; Pred. No. 4.1e+05;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY      2 PNYHAVNI 9
      |::|||
Db      2 PSGHAVGI 9

RESULT 5
US-08-212-433A-33
; Sequence 33, Application US/08212433A
; Patent No. 5538897
; GENERAL INFORMATION:
; APPLICANT: Yates, III, John R.
; APPLICANT: Eng, James K.
; TITLE OF INVENTION: USE OF MASS SPECTROMETRY FRAGMENTATION
; TITLE OF INVENTION: PATTERNS OF PEPTIDES TO IDENTIFY AMINO ACID SEQUENCES IN
; TITLE OF INVENTION: DATABASES
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Khourie and Crew
; STREET: One Market Plaza, Steuart St. Tower
; CITY: San Francisco
```

```
; STATE: CA
; COUNTRY: USA
; ZIP: 94105-1492
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/212,433A
; APPLICATION NUMBER: US/08/212,433A
; FILING DATE: 14-MAR-1994
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: Hughes, Richard L.
; REGISTRATION NUMBER: 31,264
; REFERENCE/DOCKET NUMBER: 16336-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-467-9600
; TELEFAX: 415-543-5043
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-212-433A-33

Query Match 45.5%; Score 25; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPNY 4
Db 6 QPNY 9

RESULT 6
US-08-716-256-33
; Sequence 33, Application US/08716256
; Patent No. 6017693
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: USE OF MASS SPECTROMETRY FRAGMENTATION
; TITLE OF INVENTION: PATTERNS TO IDENTIFY NUCLEOTIDE, AMINO ACID OR
; TITLE OF INVENTION: CARBOHYDRATE SEQUENCES IN DATABASES OR TO IDENTIFY
; TITLE OF INVENTION: ORGANISMS
; NUMBER OF SEQUENCES: 46
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/716,256
; APPLICATION NUMBER: US/08/716,256
; FILING DATE:
; CLASSIFICATION: 436
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03239
; FILING DATE: 14-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Parmelee, Steven W.
; REGISTRATION NUMBER: 31,990
; REFERENCE/DOCKET NUMBER: 16336-2PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-467-9600
; TELEFAX: 415-543-5043
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; PCT-US95-03239-33

Query Match 45.5%; Score 25; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPNY 4
Db 6 QPNY 9

RESULT 7
PCT-US95-03239-33
; Sequence 33, Application PC/TUS9503239
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: USE OF MASS SPECTROMETRY FRAGMENTATION
; TITLE OF INVENTION: PATTERNS TO IDENTIFY NUCLEOTIDE, AMINO ACID OR
; TITLE OF INVENTION: CARBOHYDRATE SEQUENCES IN DATABASES OR TO IDENTIFY
; TITLE OF INVENTION: ORGANISMS
; NUMBER OF SEQUENCES: 46
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/03239
; FILING DATE: 14-MAR-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/212,433
; FILING DATE: 14-MAR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Parmelee, Steven W.
; REGISTRATION NUMBER: 31,990
; REFERENCE/DOCKET NUMBER: 16336-2PC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-467-9600
; TELEFAX: 415-543-5043
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; PCT-US95-03239-33

Query Match 45.5%; Score 25; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPNY 4
Db 6 QPNY 9

RESULT 8
5436320-3
; Patent No. 5436320
; APPLICANT: SPIEGEL, ALLEN M.
; TITLE OF INVENTION: ANTIBODY REAGENTS THAT IDENTIFY THE
; CARBOXY-TERMINAL PEPTIDE OF THE GTP-BINDING PROTEIN G
; NUMBER OF SEQUENCES: 10
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/820,377
; FILING DATE: 14-JAN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 564,675
```

; FILING DATE: 08-AUG-1990
; APPLICATION NUMBER: 365,919
; FILING DATE: 15-JUN-1989
; APPLICATION NUMBER: 100,909
; FILING DATE: 25-SEP-1987
; SEQ ID NO:3:
; LENGTH: 10
5436320-3

Query Match 45.5%; Score 25; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPNY 4
Db 6 QPNY 9

RESULT 9
5436320-3
; Patent No. 5436320
; APPLICANT: SPIEGEL, ALLEN M.
; TITLE OF INVENTION: ANTIBODY REAGENTS THAT IDENTIFY THE
; CARBOXY-TERMINAL PEPTIDE OF THE GTP-BINDING PROTEIN G
; NUMBER OF SEQUENCES: 10
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/820,377
; FILING DATE: 14-JAN-1992
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 564,675
; FILING DATE: 08-AUG-1990
; APPLICATION NUMBER: 365,919
; FILING DATE: 15-JUN-1989
; APPLICATION NUMBER: 100,909
; FILING DATE: 25-SEP-1987
; SEQ ID NO:3:
; LENGTH: 10
5436320-3

Query Match 45.5%; Score 25; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 QPNY 4
Db 6 QPNY 9

RESULT 10
US-08-877-605-181
; Sequence 181, Application US/08877605
; Patent No. 6582965
; GENERAL INFORMATION:
; APPLICANT: Robert Townsend
; APPLICANT: Raj Parekh
; APPLICANT: Sally Prime
; APPLICANT: Nick Webb
; TITLE OF INVENTION: A METHOD FOR DE NOVO PEPTIDE SEQUENCE DETERMINATION
; FILE REFERENCE: 9195-004
; CURRENT APPLICATION NUMBER: US/08/877,605
; CURRENT FILING DATE: 1997-06-18
; NUMBER OF SEQ ID NOS: 353
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 181
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide X Library
US-08-877-605-181

Query Match 41.8%; Score 23; DB 4; Length 6;
Best Local Similarity 60.0%; Pred. No. 4.1e+05;

Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 4 YHAVN 8
Db 1 YHAID 5

RESULT 11
US-08-877-605-220
; Sequence 220, Application US/08877605
; Patent No. 6582965
; GENERAL INFORMATION:
; APPLICANT: Robert Townsend
; APPLICANT: Raj Parekh
; APPLICANT: Sally Prime
; APPLICANT: Nick Webb
; TITLE OF INVENTION: A METHOD FOR DE NOVO PEPTIDE SEQUENCE DETERMINATION
; FILE REFERENCE: 9195-004
; CURRENT APPLICATION NUMBER: US/08/877,605
; CURRENT FILING DATE: 1997-06-18
; NUMBER OF SEQ ID NOS: 353
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 220
; LENGTH: 6
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptide X Library
US-08-877-605-220

Query Match 41.8%; Score 23; DB 4; Length 6;
Best Local Similarity 60.0%; Pred. No. 4.1e+05;
Matches 3; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 3 NYHAV 7
Db 1 DYHAI 5

RESULT 12
US-09-057-363C-18
; Sequence 18, Application US/09057363C
; Patent No. 6551994
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR INHIBITING THE
; INTERACTION BETWEEN ALPHA-CATENIN AND BETA-CATENIN
; NUMBER OF SEQUENCES: 73
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed Intellectual Property Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/057,363C
; FILING DATE: 08-Apr-1998
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Christiansen, William T.
; REGISTRATION NUMBER: 44,614
; REFERENCE/DOCKET NUMBER: 100086.406
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 18:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 4 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-057-363C-18

Query Match          40.0%; Score 22; DB 4; Length 4;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 HAVN 8
Db      1 HAVN 4

RESULT 13
US-09-265-107-18
; Sequence 18, Application US/09265107A
; Patent No. 6683048
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR STIMULATING
; TITLE OF INVENTION: GENE EXPRESSION AND CELLULAR DIFFERENTIATION
; FILE REFERENCE: 100086.406C1
; CURRENT APPLICATION NUMBER: US/09/265,107A
; CURRENT FILING DATE: 1999-03-09
; NUMBER OF SEQ ID NOS: 75
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 18
; LENGTH: 4
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Linear peptide modulating agent
US-09-265-107-18

Query Match          40.0%; Score 22; DB 4; Length 4;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      5 HAVN 8
Db      1 HAVN 4

RESULT 14
US-08-092-110A-3
; Sequence 3, Application US/08092110A
; Patent No. 5585477
; GENERAL INFORMATION:
; APPLICANT: Kilpatrick, David R.
; TITLE OF INVENTION: POLIOVIRUS SPECIFIC PRIMERS AND
; TITLE OF INVENTION: METHODS OF DETECTION UTILIZING THE SAME
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Building, 127
; STREET: Peachtree Street, NE
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303-1811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/092,110A
; FILING DATE: 13-JUL-1993

; SEQUENCE CHARACTERISTICS:
; LENGTH: 4 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-092-110A-3

Query Match          40.0%; Score 22; DB 1; Length 7;
Best Local Similarity 66.7%; Pred. No. 4.1e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      3 NYHAVN 8
Db      2 NGHVN 7

RESULT 15
US-08-273-474-3
; Sequence 3, Application US/08273474
; Patent No. 5691134
; GENERAL INFORMATION:
; APPLICANT: Kilpatrick, David R.
; TITLE OF INVENTION: POLIOVIRUS SPECIFIC PRIMERS AND METHODS
; TITLE OF INVENTION: OF DETECTION UTILIZING THE SAME
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Building, 127
; STREET: Peachtree Street, NE
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303-1811
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/273,474
; FILING DATE: 13-JUL-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1414.617
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-273-474-3

Query Match          40.0%; Score 22; DB 1; Length 7;
Best Local Similarity 66.7%; Pred. No. 4.1e+05;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      3 NYHAVN 8
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Db | | | |
2 NGHALN 7

Search completed: June 20, 2005, 07:58:26
Job time : 30.5 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 07:43:59 ; Search time 152 Seconds
(without alignments)
22.736 Million cell updates/sec

Title: US-09-867-159A-5

Perfect score: 57

Sequence: 1 WTVRNSWDT 9

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1714042 seqs, 383979560 residues

Total number of hits satisfying chosen parameters: 157569

Minimum DB seq length: 0

Maximum DB seq length: 9

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB.pep.*
8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pep.*
10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
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16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
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21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	57	100.0	9	10	US-09-867-159A-5
2	33	57.9	9	9	Sequence 5, Appl1
3	33	57.9	9	14	Sequence 116, App
4	33	57.9	9	14	Sequence 116, App
5	33	57.9	9	15	Sequence 116, App
6	33	57.9	9	16	Sequence 116, App
7	30	52.6	5	16	Sequence 15, Appl
8	29	50.9	8	16	US-10-867-888-15
9	28	49.1	9	17	US-10-888-348-25
10	27	47.4	9	9	Sequence 155, App
11	26	45.6	7	16	US-10-363-204-24

12	26	45.6	8	14	US-10-190-082-286	Sequence 286, App
13	26	45.6	9	15	US-10-024-652-130	Sequence 130, App
14	26	45.6	9	15	US-10-024-652-981	Sequence 981, App
15	26	45.6	9	17	US-10-482-284A-134	Sequence 134, App
16	26	45.6	9	17	US-10-888-348-24	Sequence 24, Appl
17	25	43.9	9	10	US-09-793-451-30	Sequence 30, Appl
18	25	43.9	9	10	US-09-793-451-235	Sequence 235, App
19	25	43.9	9	10	US-09-793-451-353	Sequence 353, App
20	25	43.9	9	10	US-09-793-451-649	Sequence 649, App
21	25	43.9	9	10	US-09-942-052-119	Sequence 119, App
22	25	43.9	9	14	US-10-283-722-30	Sequence 30, Appl
23	25	43.9	9	14	US-10-283-722-235	Sequence 235, App
24	25	43.9	9	14	US-10-283-722-353	Sequence 353, App
25	25	43.9	9	14	US-10-283-722-649	Sequence 649, App
26	25	43.9	9	15	US-10-283-903-30	Sequence 30, Appl
27	25	43.9	9	15	US-10-283-903-235	Sequence 235, App
28	25	43.9	9	15	US-10-283-903-353	Sequence 353, App
29	25	43.9	9	15	US-10-283-903-649	Sequence 649, App
30	25	43.9	9	17	US-10-808-187-677	Sequence 677, App
31	24	42.1	7	14	US-10-190-082-16	Sequence 16, Appl
32	24	42.1	8	14	US-10-351-641-1643	Sequence 1643, App
33	24	42.1	9	15	US-10-334-726-184	Sequence 184, App
34	24	42.1	9	15	US-10-334-726-295	Sequence 295, App
35	24	42.1	9	15	US-10-609-217-664	Sequence 664, App
36	24	42.1	9	15	US-10-632-388-664	Sequence 664, App
37	24	42.1	9	15	US-10-651-723-664	Sequence 664, App
38	24	42.1	9	15	US-10-645-761-664	Sequence 664, App
39	24	42.1	9	15	US-10-666-696-664	Sequence 664, App
40	24	42.1	9	15	US-10-653-048-664	Sequence 664, App
41	24	42.1	9	18	US-10-645-784-664	Sequence 664, App
42	23	40.4	5	16	US-10-705-195-17	Sequence 17, Appl
43	23	40.4	5	16	US-10-714-564A-471	Sequence 471, App
44	23	40.4	6	14	US-10-072-602B-626	Sequence 626, App
45	23	40.4	6	14	US-10-072-602B-628	Sequence 628, App

ALIGNMENTS

RESULT 1

US-09-867-159A-5
; Sequence 5, Application US/09867159A
; Publication No. US20030104013A1
; GENERAL INFORMATION:
; APPLICANT: ANTIALIS
; TITLE OF INVENTION: Anti-allergic pharmaceutical composition containing at least one
; FILE REFERENCE: B112812US-antialis
; CURRENT APPLICATION NUMBER: US/09/867,159A
; CURRENT FILING DATE: 2001-05-29
; PRIOR APPLICATION NUMBER: FR01/04370
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: FR01/05929
; PRIOR FILING DATE: 2001-05-03
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 5
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Dermatophagoides pteronyssinus
; FEATURE:
; NAME/KEY: peptide
; LOCATION: (1)..(9)
; OTHER INFORMATION: Comprises epitope from cystine protease.
US-09-867-159A-5

Query Match 100.0%; Score 57; DB 10; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.5e+06;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy

1 WTVRNSWDT 9

|||||

Db 1 WTVRNSWDT 9

TERRASSE, GAETAN LORIA, EMILE TREHIN, YVES

RESULT 2
US-09-765-086-116
; Sequence 116, Application US/09765086
; Patent No. US20010046498A1
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; APPLICANT: Wadib, Arap
; APPLICANT: Bredesen, Dale E.
; APPLICANT: Ellerby, H. Michael
; TITLE OF INVENTION: Chimeric Prostate-Homing Peptides With
; TITLE OF INVENTION: Pro-Apoptotic Activity
; FILE REFERENCE: P-LJ 3844
; CURRENT APPLICATION NUMBER: US/09/765,086
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US 09/489,582
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 235
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 116
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic peptide
US-09-765-086-116

Query Match 57.9%; Score 33; DB 9; Length 9;
Best Local Similarity 71.4%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 WTVRNSW 7
|||
Db 1 WTCRASW 7

RESULT 3
US-10-264-374-116
; Sequence 116, Application US/10264374
; Publication No. US20030113320A1
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing
; TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using
; FILE REFERENCE: P-LJ 3203
; CURRENT APPLICATION NUMBER: US/10/264,374
; PRIOR FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: US/09/139,802
; PRIOR FILING DATE: 1998-08-25
; PRIOR APPLICATION NUMBER: 08/926,914
; PRIOR FILING DATE: 1997-09-10
; PRIOR APPLICATION NUMBER: 08/710,067
; PRIOR FILING DATE: 1996-09-10
; NUMBER OF SEQ ID NOS: 226
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO 116
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-264-374-116

Query Match 57.9%; Score 33; DB 14; Length 9;
Best Local Similarity 71.4%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 WTVRNSW 7

Db 1 WTCRASW 7
|||

RESULT 4
US-10-375-992-116
; Sequence 116, Application US/10375992
; Publication No. US20030152578A1
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; TITLE OF INVENTION: Tumor Homing Molecules, Conjugates
; TITLE OF INVENTION: Derived Therefrom, and Methods of Using Same
; NUMBER OF SEQUENCES: 199
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/375,992
; FILING DATE: 27-Feb-2003
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/926,914
; FILING DATE: 10-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 2725
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 116:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; TOPOLOGY: both
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 116:
US-10-375-992-116

Query Match 57.9%; Score 33; DB 14; Length 9;
Best Local Similarity 71.4%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 WTVRNSW 7
|||
Db 1 WTCRASW 7

RESULT 5
US-10-264-374-116
; Sequence 116, Application US/10264374
; Publication No. US20040096441A9
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing
; TITLE OF INVENTION: Molecules That Home to Angiogenic Vasculature Using
; FILE REFERENCE: P-LJ 3203
; CURRENT APPLICATION NUMBER: US/10/264,374
; CURRENT FILING DATE: 2002-10-03
; PRIOR APPLICATION NUMBER: US/09/139,802
; PRIOR FILING DATE: 1998-08-25

1 PRIOR APPLICATION NUMBER: 08/926,914
1 PRIOR FILING DATE: 1997-09-10
1 PRIOR APPLICATION NUMBER: 08/710,067
1 PRIOR FILING DATE: 1996-09-10
1 NUMBER OF SEQ ID NOS: 226
1 SOFTWARE: PatentIn Ver. 2.0
1 SEQ ID NO 116
1 LENGTH: 9
1 TYPE: PRT
1 ORGANISM: Artificial Sequence
1 FEATURE:
1 OTHER INFORMATION: Description of Artificial Sequence: Synthetic
1 OTHER INFORMATION: Peptide
US-10-264-374-116

Query Match 57.9%; Score 33; DB 15; Length 9;
Best Local Similarity 71.4%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 WTVNSW 7
Db 1 WTCRASW 7

RESULT 6

US-10-375-992-116
1 Sequence 116, Application US/10375992
1 Publication No. US20040131623A9
1 GENERAL INFORMATION:
1 APPLICANT: Ruoslahti, Erkki
1 PASQUALINI, Renata
1 TITLE OF INVENTION: Tumor Homing Molecules, Conjugates
1 DERIVED THEREFROM, AND METHODS OF USING SAME
1 NUMBER OF SEQUENCES: 199
1 CORRESPONDENCE ADDRESS:
1 ADDRESSEE: Campbell & Flores
1 STREET: 4370 La Jolla Village Drive, Suite 700
1 CITY: San Diego
1 STATE: California
1 COUNTRY: United States
1 ZIP: 92122
1 MEDIUM TYPE: Floppy disk
1 COMPUTER: IBM PC compatible
1 OPERATING SYSTEM: PC-DOS/MS-DOS
1 SOFTWARE: PatentIn Release #1.0, Version #1.25
1 CURRENT APPLICATION DATA:
1 APPLICATION NUMBER: US/10/375,992
1 FILING DATE: 27-Feb-2003
1 CLASSIFICATION: 435
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: US/08/926,914
1 FILING DATE: 10-SEP-1997
1 ATTORNEY/AGENT INFORMATION:
1 NAME: Campbell, Cathryn A.
1 REGISTRATION NUMBER: 31,815
1 REFERENCE/DOCKET NUMBER: P-LJ 2725
1 TELECOMMUNICATION INFORMATION:
1 TELEPHONE: (619) 535-9001
1 TELEFAX: (619) 535-8949
1 INFORMATION FOR SEQ ID NO: 116:
1 SEQUENCE CHARACTERISTICS:
1 LENGTH: 9 amino acids
1 TYPE: amino acid
1 TOPOLOGY: both
1 MOLECULE TYPE: peptide
1 SEQUENCE DESCRIPTION: SEQ ID NO: 116:
US-10-375-992-116

Query Match 57.9%; Score 33; DB 16; Length 9;
Best Local Similarity 71.4%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 WTVNSW 7
Db 1 WTCRASW 7

RESULT 7

US-10-867-888-15
1 Sequence 15, Application US/10867888
1 Publication No. US20040253683A1
1 GENERAL INFORMATION:
1 APPLICANT: CAROLYN PETERSEN
1 JIN-XING HUANG
1 TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
1 PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
1 TREATMENT, DIAGNOSIS AND
1 DETECTION OF
1 NUMBER OF SEQUENCES: 16
1 CORRESPONDENCE ADDRESS:
1 ADDRESSEE: PETERS, VERNY, JONES & BIK A
1 STREET: 385 Sherman Avenue, Suite 6
1 CITY: Palo Alto
1 STATE: California
1 COUNTRY: United States of America
1 ZIP: 94306-1840
1 MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
1 COMPUTER: PC
1 OPERATING SYSTEM: WINDOWS
1 SOFTWARE: Wordperfect 6.0a WINDOWS
1 CURRENT APPLICATION DATA:
1 APPLICATION NUMBER: US/10/867,888
1 FILING DATE: 14-Jun-2004
1 CLASSIFICATION: 536
1 PRIOR APPLICATION DATA:
1 APPLICATION NUMBER: US/08/827,171
1 FILING DATE: March 27, 1997
1 APPLICATION NUMBER: 60/014,233
1 FILING DATE: March 27, 1996
1 ATTORNEY/AGENT INFORMATION:
1 NAME: Hana Verny
1 REGISTRATION NUMBER: 30,518
1 REFERENCE/DOCKET NUMBER: (HV)
1 TELECOMMUNICATION INFORMATION:
1 TELEPHONE: (415) 324-1677
1 TELEFAX: (415) 324-1678
1 INFORMATION FOR SEQ ID NO: 15:
1 SEQUENCE CHARACTERISTICS:
1 LENGTH: 5 amino acids
1 TYPE: amino acid
1 STRANDEDNESS: single
1 TOPOLOGY: linear
1 MOLECULE TYPE: peptide
1 SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-10-867-888-15

Query Match 52.6%; Score 30; DB 16; Length 5;
Best Local Similarity 100.0%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VRNSW 7
Db 1 VRNSW 5

RESULT 8

US-10-867-888-14
1 GENERAL INFORMATION:
1 APPLICANT: CAROLYN PETERSEN
1 JIN-XING HUANG
1 TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
1 PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
1 TREATMENT, DIAGNOSIS AND
1 DETECTION OF

; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIK A
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: California
; COUNTRY: United States of America
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
; COMPUTER: PC
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: Wordperfect 6.0a WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/867,888
; FILING DATE: 14-Jun-2004
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,171
; FILING DATE: March 27, 1997
; APPLICATION NUMBER: 60/014,233
; FILING DATE: March 27, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hana Verny
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: (HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-1677
; TELEFAX: (415) 324-1678
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION:
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-10-867-888-14

Query Match 50.9%; Score 29; DB 16; Length 8;
Best Local Similarity 57.1%; Pred. No. 1.5e+06;
Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 WTVRNSW 7
DB 2 WIXXNSW 8

RESULT 9
US-10-888-348-25
; Sequence 25, Application US/10888348
; Publication No. US20050064555A1
; GENERAL INFORMATION:
; APPLICANT: Marshall, Shannon
; TITLE OF INVENTION: CILIARY NEUTROPHIC FACTOR VARIANTS
; FILE REFERENCE: 34431/US
; CURRENT APPLICATION NUMBER: US/10/888,348
; CURRENT FILING DATE: 2004-07-09
; PRIOR APPLICATION NUMBER: US 60/485,941
; PRIOR FILING DATE: 2003-07-09
; PRIOR APPLICATION NUMBER: US 60/528,229
; PRIOR FILING DATE: 2003-12-08
; NUMBER OF SEQ ID NOS: 165
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 25
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-888-348-25

Query Match 49.1%; Score 28; DB 17; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.5e+06;
Matches 5; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 WTVRNSWD 8
|||||

Db 1 WTVRSIHD 8
RESULT 10
US-09-834-765-155
; Sequence 155, Application US/09834765
; Patent No. US20020055478A1
; GENERAL INFORMATION:
; APPLICANT: Mary Paris
; APPLICANT: Pia M. Challita-Eid
; APPLICANT: Arthur B. Raitano
; APPLICANT: Steve Chappel Mitchell
; APPLICANT: Daniel E.H. Afar
; APPLICANT: Ava Jakobovits
; TITLE OF INVENTION: GTP-BINDING PROTEIN USEFUL IN TREATMENT
; TITLE OF INVENTION: AND DETECTION OF CANCER
; FILE REFERENCE: 129.6USU1
; CURRENT APPLICATION NUMBER: US/09/834,765
; CURRENT FILING DATE: 2001-09-21
; PRIOR APPLICATION NUMBER: 60/197,647
; PRIOR FILING DATE: 2000-04-12
; NUMBER OF SEQ ID NOS: 770
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 155
; LENGTH: 9
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-834-765-155

Query Match 47.4%; Score 27; DB 9; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 TVRNSWD 9
DB 2 TVLQLMD 9

RESULT 11
US-10-363-204-24
; Sequence 24, Application US/10363204
; Publication No. US20040170955A1
; GENERAL INFORMATION:
; APPLICANT: Board of Regents, The University of Texas System
; TITLE OF INVENTION: Human and Mouse Targeting Peptides Identified by Phage Display
; FILE REFERENCE: 005774.P003PCT
; CURRENT APPLICATION NUMBER: US/10/363,204
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 251
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 24
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: (1)..(7)
; OTHER INFORMATION: synthetic construct
US-10-363-204-24

Query Match 45.6%; Score 26; DB 16; Length 7;
Best Local Similarity 80.0%; Pred. No. 1.5e+06;
Matches 4; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 WTVRN 5
DB 2 WTVRD 6
|||||

RESULT 12
US-10-190-082-286
; Sequence 286, Application US/10190082
; Publication No. US20030148264A1

; GENERAL INFORMATION:
; APPLICANT: Lasky, Lawrence A.
; APPLICANT: Sidhu, Sachdev S.
; APPLICANT: Heid, Heike A.
; TITLE OF INVENTION: PHAGE DISPLAYED PDZ DOMAIN LIGANDS
; FILE REFERENCE: P1905R1
; CURRENT APPLICATION NUMBER: US/10/190,082
; CURRENT FILING DATE: 2002-07-03
; PRIOR APPLICATION NUMBER: US 60/303,634
; PRIOR FILING DATE: 2001-07-06
; NUMBER OF SEQ ID NOS: 683
; SEQ ID NO 286
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Synthetic
US-10-190-082-286

Query Match 45.6%; Score 26; DB 14; Length 8;
Best Local Similarity 66.7%; Pred. No. 1.5e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 2 TVRNSW 7
||| :||
Db 2 TVRETW 7

RESULT 13
US-10-024-652-130
; Sequence 130, Application US/10024652
; Publication No. US20030219738A1
; GENERAL INFORMATION:
; APPLICANT: Agensys, Inc
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Paris, Mary
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Mitchell, Steve Chappell
; APPLICANT: Levin, Elana
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: Nucleic Acid and Encoded Zinc
; TITLE OF INVENTION: Transporter Protein Entitled 108PSH8 Useful in Treatment and
; TITLE OF INVENTION: Detection of Cancer
; FILE REFERENCE: 51158-20025.00
; CURRENT APPLICATION NUMBER: US/10/024,652
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/256,210
; PRIOR FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 2598
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 130
; LENGTH: 9
; TYPE: PRT
; ORGANISM: homo sapien
US-10-024-652-130

Query Match 45.6%; Score 26; DB 15; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 TVRNSWD 9
||| :|||
Db 2 TFRWIWD 9

RESULT 14
US-10-024-652-981
; Sequence 981, Application US/10024652
; Publication No. US20030219738A1
; GENERAL INFORMATION:

; APPLICANT: Agensys, Inc
; APPLICANT: Challita-Eid, Pia M.
; APPLICANT: Paris, Mary
; APPLICANT: Afar, Daniel E.H.
; APPLICANT: Hubert, Rene S.
; APPLICANT: Mitchell, Steve Chappell
; APPLICANT: Levin, Elana
; APPLICANT: Morrison, Karen Jane Meyrick
; APPLICANT: Raitano, Arthur B.
; APPLICANT: Jakobovits, Aya
; TITLE OF INVENTION: Nucleic Acid and Encoded Zinc
; TITLE OF INVENTION: Transporter Protein Entitled 108PSH8 Useful in Treatment and
; TITLE OF INVENTION: Detection of Cancer
; FILE REFERENCE: 51158-20025.00
; CURRENT APPLICATION NUMBER: US/10/024,652
; CURRENT FILING DATE: 2002-06-28
; PRIOR APPLICATION NUMBER: 60/256,210
; PRIOR FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 2598
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 981
; LENGTH: 9
; TYPE: PRT
; ORGANISM: homo sapien
US-10-024-652-981

Query Match 45.6%; Score 26; DB 15; Length 9;
Best Local Similarity 62.5%; Pred. No. 1.5e+06;
Matches 5; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 2 TVRNSWD 9
||| :|||
Db 2 TFRWIWD 9

RESULT 15
US-10-482-284A-134
; Sequence 134, Application US/10482284A
; Publication No. US20050019344A1
; GENERAL INFORMATION:
; APPLICANT: KHANNA, Rajiv
; APPLICANT: ELKINGTON, Rebecca A.
; APPLICANT: WALKER, Susan J.
; TITLE OF INVENTION: Novel human cytomegalovirus (HCMV) cytotoxic T cell epitopes,
; TITLE OF INVENTION: polypeptides, compositions comprising same and diagnostic and the
; TITLE OF INVENTION: uses therefore
; FILE REFERENCE: 47-203
; CURRENT APPLICATION NUMBER: US/10/482,284A
; CURRENT FILING DATE: 2003-12-29
; PRIOR APPLICATION NUMBER: AU PR5931
; PRIOR FILING DATE: 2001-06-26
; NUMBER OF SEQ ID NOS: 318
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 134
; LENGTH: 9
; TYPE: PRT
; ORGANISM: human cytomegalovirus pp150 CTL epitope peptide
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: human cytomegalovirus pp65 C
US-10-482-284A-134

Query Match 45.6%; Score 26; DB 17; Length 9;
Best Local Similarity 66.7%; Pred. No. 1.5e+06;
Matches 4; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 3 VRNSWD 8
||| :|||
Db 2 VRRSWE 7

Search completed: June 20, 2005, 07:57:20
Job time : 152 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: June 20, 2005, 07:32:28 ; Search time 42 Seconds
(without alignments)
15.996 Million cell updates/sec

Title: US-09-867-159A-5

Perfect score: 57

Sequence: 1 WTVRNSWDT 9

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 99282

Minimum DB seq length: 0

Maximum DB seq length: 9

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/1/iaa/5A COMB.pap.*
- 2: /cgn2_6/ptodata/1/iaa/5B COMB.pap.*
- 3: /cgn2_6/ptodata/1/iaa/6A COMB.pap.*
- 4: /cgn2_6/ptodata/1/iaa/6B COMB.pap.*
- 5: /cgn2_6/ptodata/1/iaa/PCITUS COMB.pap.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	41	71.9	8	4	US-09-588-995A-112
2	33	57.9	9	3	Sequence 112, App
3	33	57.9	9	4	Sequence 116, App
4	33	57.9	9	4	Sequence 116, App
5	30	52.6	5	3	Sequence 116, App
6	30	52.6	5	4	Sequence 113, App
7	30	52.6	5	4	Sequence 113, App
8	29	50.9	8	3	Sequence 14, Appl
9	29	50.9	8	4	Sequence 14, Appl
10	26.5	46.5	9	2	GENERAL INFORMA
11	26.5	46.5	9	2	Sequence 79, Appl
12	24.5	43.0	9	2	Sequence 79, Appl
13	24.5	43.0	9	2	Sequence 42, Appl
14	24.5	43.0	9	2	Sequence 77, Appl
15	24	42.1	8	3	Sequence 77, Appl
16	24	42.1	8	3	Sequence 1488, Ap
17	24	42.1	8	4	Sequence 1488, Ap
18	24	42.1	8	4	Sequence 1642, Ap
19	24	42.1	8	4	Sequence 1643, Ap
20	24	42.1	9	1	Sequence 1643, Ap
21	24	42.1	9	1	Sequence 34, Appl
22	24	42.1	9	2	Sequence 34, Appl
23	24	42.1	9	2	Sequence 78, Appl
24	24	42.1	9	2	Sequence 664, App
25	23	40.4	5	4	Sequence 17, Appl
26	23	40.4	8	3	Sequence 1483, Ap
27	23	40.4	8	3	Sequence 1484, Ap

28	23	40.4	8	3	US-09-082-279B-1486	Sequence 1486, Ap
29	23	40.4	8	3	US-09-082-279B-1489	Sequence 1489, Ap
30	23	40.4	8	3	US-09-082-279B-1499	Sequence 1499, Ap
31	23	40.4	8	3	US-09-315-304B-1562	Sequence 1562, Ap
32	23	40.4	8	3	US-09-315-304B-1637	Sequence 1637, Ap
33	23	40.4	8	3	US-09-315-304B-1638	Sequence 1638, Ap
34	23	40.4	8	3	US-09-315-304B-1639	Sequence 1639, Ap
35	23	40.4	8	3	US-09-315-304B-1640	Sequence 1640, Ap
36	23	40.4	8	3	US-09-315-304B-1653	Sequence 1653, Ap
37	23	40.4	8	4	US-09-360-545-46	Sequence 46, Appl
38	23	40.4	8	4	US-09-350-325-22	Sequence 22, Appl
39	23	40.4	8	4	US-09-834-784-1483	Sequence 1483, Ap
40	23	40.4	8	4	US-09-834-784-1484	Sequence 1484, Ap
41	23	40.4	8	4	US-09-834-784-1486	Sequence 1486, Ap
42	23	40.4	8	4	US-09-834-784-1489	Sequence 1489, Ap
43	23	40.4	8	4	US-09-834-784-1499	Sequence 1499, Ap
44	23	40.4	8	4	US-09-515-965A-1594	Sequence 1594, Ap
45	23	40.4	8	4	US-09-350-641C-1562	Sequence 1562, Ap

ALIGNMENTS

RESULT 1

US-09-588-995A-112
; Sequence 112, Application US/09588995A
; Patent No. 6514697
; GENERAL INFORMATION:
; APPLICANT: PETERSEN, CAROLYN
; APPLICANT: BARNES, DEBRA A.
; APPLICANT: NELSON, RICHARD C.
; APPLICANT: GUT, JIRI
; TITLE OF INVENTION: METHODS FOR DETECTION OF CRYPTOSPORIDIUM SPECIES AND
; TITLE OF INVENTION: ISOLATES AND FOR DIAGNOSIS OF CRYPTOSPORIDIUM
; TITLE OF INVENTION: INFECTIONS
; FILE REFERENCE: 480.19-5
; CURRENT APPLICATION NUMBER: US/09/588, 995A
; CURRENT FILING DATE: 2000-06-06
; PRIOR APPLICATION NUMBER: 08/827,171
; PRIOR FILING DATE: 1997-03-27
; PRIOR APPLICATION NUMBER: 08/928,361
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 08/700,651
; PRIOR FILING DATE: 1996-08-14
; PRIOR APPLICATION NUMBER: 08/415,751
; PRIOR FILING DATE: 1995-04-03
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 112
; LENGTH: 8
; TYPE: PRT
; ORGANISM: Cryptosporidium parvum
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (3)
; OTHER INFORMATION: L or I
US-09-588-995A-112

Query Match 71.9%; Score 41; DB 4; Length 8;
Best Local Similarity 85.7%; Pred.No. 4.1e+05;
Matches 6; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 WTVRNSW 7
| | | | |
Db 2 WKVRNSW 8

RESULT 2

US-09-139-802-116
; Sequence 116, Application US/09139802
; Patent No. 6180084
; GENERAL INFORMATION:
; APPLICANT: RUOSLANTI, Erkki

APPLICANT: Pasqualini, Renata
TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing
Molecules That Home to Angiogenic Vasculature Using
TITLE OF INVENTION: Same
FILE REFERENCE: P-LJ 3203
CURRENT APPLICATION NUMBER: US/09/139,802
CURRENT FILING DATE: 1998-08-25
EARLIER APPLICATION NUMBER: 08/926,914
EARLIER FILING DATE: 1997-09-10
EARLIER APPLICATION NUMBER: 08/710,067
EARLIER FILING DATE: 1996-09-10
NUMBER OF SEQ ID NOS: 226
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 116
LENGTH: 9
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: Peptide
US-09-139-802-116

Query Match 57.9%; Score 33; DB 3; Length 9;
Best Local Similarity 71.4%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 WTVRNSW 7
||| |||
Db 1 WTCRASW 7

RESULT 3
US-09-659-786-116
Sequence 116, Application US/09659786
Patent No. 6491894
GENERAL INFORMATION:
APPLICANT: Ruoslahti, Erkki
TITLE OF INVENTION: NGR Receptor and Methods of Identifying Tumor Homing
Molecules That Home to Angiogenic Vasculature Using
TITLE OF INVENTION: Same
FILE REFERENCE: P-LJ 3203
CURRENT APPLICATION NUMBER: US/09/659,786
CURRENT FILING DATE: 2000-09-11
PRIOR APPLICATION NUMBER: 08/926,914
PRIOR FILING DATE: 1997-09-10
PRIOR APPLICATION NUMBER: 08/710,067
PRIOR FILING DATE: 1996-09-10
NUMBER OF SEQ ID NOS: 226
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 116
LENGTH: 9
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Synthetic
OTHER INFORMATION: Peptide
US-09-659-786-116

Query Match 57.9%; Score 33; DB 4; Length 9;
Best Local Similarity 71.4%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 WTVRNSW 7
||| |||
Db 1 WTCRASW 7

RESULT 4
US-08-926-914-116
Sequence 116, Application US/08926914
Patent No. 6576239
GENERAL INFORMATION:

APPLICANT: Ruoslahti, Erkki
APPLICANT: Pasqualini, Renata
TITLE OF INVENTION: Tumor Homing Molecules, Conjugates
TITLE OF INVENTION: Derived Therefrom, and Methods of Using Same
NUMBER OF SEQUENCES: 199
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/926,914
FILING DATE: 10-SEP-1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 2725
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 116:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
TYPE: amino acid
TOPOLOGY: both
MOLECULE TYPE: peptide
US-08-926-914-116

Query Match 57.9%; Score 33; DB 4; Length 9;
Best Local Similarity 71.4%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 WTVRNSW 7
||| |||
Db 1 WTCRASW 7

RESULT 5
US-08-827-171B-15
Sequence 15, Application US/08827171B
Patent No. 6254869
GENERAL INFORMATION:
APPLICANT: CAROLYN PETERSEN
APPLICANT: JIN-KING HUANG
TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
TREATMENT, DIAGNOSIS AND
DETECTION OF
TITLE OF INVENTION: DETECTION OF
CRYPTOSPORIDIUM PARVUM
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: PETERS, VERNY, JONES & BIK A
STREET: 385 Sherman Avenue, Suite 6
CITY: Palo Alto
STATE: California
COUNTRY: United States of America
ZIP: 94306-1840
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
COMPUTER: PC
OPERATING SYSTEM: WINDOWS
SOFTWARE: Wordperfect 6.0a WINDOWS
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/827,171B
FILING DATE:


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; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,233
; FILING DATE: March 27, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hana VERNY
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: (HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-1677
; TELEFAX: (415) 324-1678
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-827-171B-15

Query Match 52.6%; Score 30; DB 3; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VRNSW 7
Db 1 VRNSW 5

RESULT 6
US-09-588-995A-113
; Sequence 113, Application US/09588995A
; Patent No. 6514697
; GENERAL INFORMATION:
; APPLICANT: PETERSEN, CAROLYN
; APPLICANT: BARNES, DEBRA A.
; APPLICANT: NELSON, RICHARD C.
; APPLICANT: GUT, JIRI
; TITLE OF INVENTION: METHODS FOR DETECTION OF CRYPTOSPORIDIUM SPECIES AND
; TITLE OF INVENTION: ISOLATES AND FOR DIAGNOSIS OF CRYPTOSPORIDIUM
; TITLE OF INVENTION: INFECTIONS
; FILE REFERENCE: 480.19-5
; CURRENT APPLICATION NUMBER: US/09/588,995A
; CURRENT FILING DATE: 2000-06-06
; PRIOR FILING DATE: 08/827,171
; PRIOR FILING DATE: 1997-03-27
; PRIOR APPLICATION NUMBER: 08/928,361
; PRIOR FILING DATE: 1997-09-12
; PRIOR APPLICATION NUMBER: 08/700,651
; PRIOR FILING DATE: 1996-08-14
; PRIOR APPLICATION NUMBER: 08/415,751
; PRIOR FILING DATE: 1995-04-03
; NUMBER OF SEQ ID NOS: 115
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 113
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Cryptosporidium parvum
US-09-588-995A-113

Query Match 52.6%; Score 30; DB 4; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VRNSW 7
Db 1 VRNSW 5

RESULT 7
US-09-598-062-15
; Sequence 15, Application US/09598062
; Patent No. 6759044
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; GENERAL INFORMATION:
; APPLICANT: CAROLYN PETERSEN
; APPLICANT: JIN-XING HUANG
; TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
; PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
; TREATMENT, DIAGNOSIS AND
; DETECTION OF
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIK A
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: California
; COUNTRY: United States of America
; ZIP: 94306-1840
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
; COMPUTER: PC
; OPERATING SYSTEM: WINDOWS
; SOFTWARE: Wordperfect 5.0a WINDOWS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/598,062
; FILING DATE: 20-Jun-2000
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/827,171
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 60/014,233
; FILING DATE: March 27, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Hana VERNY
; REGISTRATION NUMBER: 30,518
; REFERENCE/DOCKET NUMBER: (HV)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-1677
; TELEFAX: (415) 324-1678
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-598-062-15

Query Match 52.6%; Score 30; DB 4; Length 5;
Best Local Similarity 100.0%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 VRNSW 7
Db 1 VRNSW 5

RESULT 8
US-08-827-171B-14
; Sequence 14, Application US/08827171B
; Patent No. 6254869
; GENERAL INFORMATION:
; APPLICANT: CAROLYN PETERSEN
; APPLICANT: JIN-XING HUANG
; TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
; PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
; TREATMENT, DIAGNOSIS AND
; DETECTION OF
; TITLE OF INVENTION: CRYPTOSPORIDIUM PARVUM
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PETERS, VERNY, JONES & BIK A
; STREET: 385 Sherman Avenue, Suite 6
; CITY: Palo Alto
; STATE: California
```

```
/
/ COUNTRY: United States of America
/ ZIP: 94306-1840
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
/ COMPUTER: PC
/ OPERATING SYSTEM: WINDOWS
/ SOFTWARE: Wordperfect 6.0a WINDOWS
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/827,171B
/ FILING DATE:
/ CLASSIFICATION: 536
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/014,233
/ FILING DATE: March 27, 1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Hana Vervy
/ REGISTRATION NUMBER: 30,518
/ REFERENCE/DOCKET NUMBER: (HV)
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 324-1677
/ TELEFAX: (415) 324-1678
/ INFORMATION FOR SEQ ID NO: 14:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 8 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptides
/ FEATURE:
/ NAME/KEY: Xaa at 4 is Val/Ile
/ NAME/KEY: Xaa at 5 is Lys/Arg
/ LOCATION:
/ IDENTIFICATION METHOD:
/ OTHER INFORMATION:
/
/ US-08-827-171B-14
/
/ Query Match 50.9%; Score 29; DB 3; Length 8;
/ Best Local Similarity 57.1%; Pred. No. 4.1e+05;
/ Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
/
/ QY 1 WTVRNSW 7
/ Db 2 WIXXNSW 8
/
/ RESULT 9
/ US-09-598-062-14
/ GENERAL INFORMATION:
/ APPLICANT: CAROLYN PETERSEN
/ JIN-XING HUANG
/ TITLE OF INVENTION: CRYPTOPAIN VACCINES, ANTIBODIES, PROTEINS,
/ PEPTIDES, DNA AND RNAs FOR PROPHYLAXIS,
/ TREATMENT, DIAGNOSIS AND
/ DETECTION OF
/
/ NUMBER OF SEQUENCES: 16
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: PETERS, VERNY, JONES & BIK A
/ STREET: 385 Sherman Avenue, Suite 6
/ CITY: Palo Alto
/ STATE: California
/ COUNTRY: United States of America
/ ZIP: 94306-1840
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Kb storage
/ COMPUTER: PC
/ OPERATING SYSTEM: WINDOWS
/ SOFTWARE: Wordperfect 6.0a WINDOWS
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/598,062
/ FILING DATE: 20-Jun-2000
/ CLASSIFICATION: <Unknown>
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US/08/827,171
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/
/ FILING DATE: <Unknown>
/ APPLICATION NUMBER: 60/014,233
/ FILING DATE: March 27, 1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Hana Vervy
/ REGISTRATION NUMBER: 30,518
/ REFERENCE/DOCKET NUMBER: (HV)
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 324-1677
/ TELEFAX: (415) 324-1678
/ LOCATION:
/ IDENTIFICATION METHOD:
/ OTHER INFORMATION:
/ SEQUENCE DESCRIPTION: SEQ ID NO: 14:
/
/ US-09-598-062-14
/
/ Query Match 50.9%; Score 29; DB 4; Length 8;
/ Best Local Similarity 57.1%; Pred. No. 4.1e+05;
/ Matches 4; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
/
/ QY 1 WTVRNSW 7
/ Db 2 WIXXNSW 8
/
/ RESULT 10
/ US-08-706-741B-79
/ Sequence 79, Application US/08706741B
/ Patent No. 5955593
/ GENERAL INFORMATION:
/ APPLICANT: KORSMEYER, STANLEY J.
/ TITLE OF INVENTION: BH3 INTERACTING DOMAIN DEATH AGONIST
/ NUMBER OF SEQUENCES: 88
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: HOWELL & HAERKAMP, L.C.
/ STREET: 7733 FORSYTH BLVD., SUITE 1400
/ CITY: ST. LOUIS
/ STATE: MISSOURI
/ COUNTRY: USA
/ ZIP: 63146
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/706,741B
/ FILING DATE: 09-SEP-1996
/ CLASSIFICATION: 514
/ ATTORNEY/AGENT INFORMATION:
/ NAME: HOLLAND, DONALD R.
/ REGISTRATION NUMBER: 35,197
/ REFERENCE/DOCKET NUMBER: 965017
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (314) 727-5188
/ TELEFAX: (314) 727-6092
/ INFORMATION FOR SEQ ID NO: 79:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 9 amino acids
/ TYPE: amino acid
/ STRANDEDNESS:
/ TOPOLOGY: linear
/ MOLECULE TYPE: peptide
/
/ US-08-706-741B-79
/
/ Query Match 46.5%; Score 26.5; DB 2; Length 9;
/ Best Local Similarity 55.6%; Pred. No. 4.1e+05;
/ Matches 5; Conservative 1; Mismatches 2; Indels 1; Gaps 1;
/
/ QY 1 WT-VRNSWD 8
/ Db 1 WTRIQSWD 9
```

RESULT 11
US-08-924-695A-79
; Sequence 79, Application US/08924695A
; Patent No. 5998583
; GENERAL INFORMATION:
; APPLICANT: KORSMEYER, STANLEY J.
; TITLE OF INVENTION: BH3 INTERACTING DOMAIN DEATH AGONIST
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWELL & HAFERKAMP, L.C.
; STREET: 7733 FORSYTH BLVD., SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/924,695A
; FILING DATE: 09-SEP-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 971798
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 79:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-924-695A-79

Query Match 46.5%; Score 26.5; DB 2; Length 9;
Best Local Similarity 55.6%; Pred. No. 4.1e+05;
Matches 5; Conservative 1; Mismatches 2; Indels 1; Gaps 1;

QY 1 WT-VRNWD 8
|| : |||
Db 1 WTRIQSWD 9

RESULT 12
US-08-733-505A-42
; Sequence 42, Application US/08733505A
; Patent No. 5856445
; GENERAL INFORMATION:
; APPLICANT: KORSMEYER, STANLEY J.
; TITLE OF INVENTION: SERINE SUBSTITUTED MUTANTS OF
; TITLE OF INVENTION: BCL-XL/BCL-2 ASSOCIATED CELL DEATH REGULATOR
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWELL & HAFERKAMP, L.C.
; STREET: 7733 FORSYTH BLVD., SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/733,505A

; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 965458
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-733-505A-42

Query Match 43.0%; Score 24.5; DB 2; Length 9;
Best Local Similarity 55.6%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 WTVRN-SWD 8
| : |||
Db 1 WKEHNSWD 9

RESULT 13
US-08-706-741B-77
; Sequence 77, Application US/08706741B
; Patent No. 5955593
; GENERAL INFORMATION:
; APPLICANT: KORSMEYER, STANLEY J.
; TITLE OF INVENTION: BH3 INTERACTING DOMAIN DEATH AGONIST
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWELL & HAFERKAMP, L.C.
; STREET: 7733 FORSYTH BLVD., SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63146
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/706,741B
; FILING DATE: 09-SEP-1996
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 965017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-706-741B-77

Query Match 43.0%; Score 24.5; DB 2; Length 9;
Best Local Similarity 55.6%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 WTVRN-SWD 8
| : |||

Db 1 WKEHNRSD 9

RESULT 14

US-08-924-695A-77
; Sequence 77, Application US/08924695A
; Patent No. 5998583
; GENERAL INFORMATION:
; APPLICANT: KORSMEYER, STANLEY J.
; TITLE OF INVENTION: BH3 INTERACTING DOMAIN DEATH AGONIST
; NUMBER OF SEQUENCES: 88
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: HOWELL & HAFFERKAMP, L.C.
; STREET: 7733 FORSYTH BLVD., SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/924,695A
; FILING DATE: 09-SEP-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 971798
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 77:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-924-695A-77

Query Match 43.0%; Score 24.5; DB 2; Length 9;
Best Local Similarity 55.6%; Pred. No. 4.1e+05;
Matches 5; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 WTVRN-SWD 8

Db 1 WKEHNRSD 9

RESULT 15

US-09-082-279B-1488
; Sequence 1488, Application US/09082279B
; Patent No. 6258782
; GENERAL INFORMATION:
; APPLICANT: Barney, Shawn
; APPLICANT: Guthrie, Kelly
; APPLICANT: Merutka, Gene
; APPLICANT: Arwer, Mohamed
; APPLICANT: Lambert, Dennis
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED
; FILE REFERENCE: 7872-043
; CURRENT APPLICATION NUMBER: US/09/082,279B
; CURRENT FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1515
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 1488
; LENGTH: 8
; TYPE: PRT
; ORGANISM: HIV-2

US-09-082-279B-1488

Query Match 42.1%; Score 24; DB 3; Length 8;
Best Local Similarity 42.9%; Pred. No. 4.1e+05;
Matches 3; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 WTVRNSW 7

Db 1 WDVFSNW 7

Search completed: June 20, 2005, 07:45:40
Job time : 43 secs